# DVP-NS9100ES

# SERVICE MANUAL

**Ver. 1.0 2005.08**

*US Model*
*Canadian Model*
*AEP Model*
*UK Model*
*E Model*
*Chinese Model*

* Manufactured under license from Dolby Laboratories. "Dolby," "Pro Logic," and the double-D symbol are trademarks of Dolby Laboratories.
** "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.

| | |
|---|---|
| Model Name Using Similar Mechanism | DVP-NS3100ES |
| CD/DVD Mechanism Type | CDM66DB-DVBU66 |
| Base Unit Name | DVBU66 |
| Optical Traverse Unit Name | DBU-3 |

## SPECIFICATIONS

### System

**Laser:** Semiconductor laser
λ = 780 nm for CD
λ = 650 nm for Super Audio CD and DVD
Emission duration: continuous
**Signal format system:**
NTSC (US, CND, KR models)
PAL (NTSC) (AEP, UK, RU, CH models)

### Audio characteristics

**Frequency response:** DVD VIDEO (PCM 96 kHz): 2 Hz to 44 kHz (44 kHz: –2 dB ±1 dB), Super Audio CD: 2 Hz to 100 kHz (50 kHz: –3 dB ±1 dB), CD: 2 Hz to 20 kHz (±0.5 dB)
**Signal-to-noise ratio (S/N ratio):** 112 dB
**Harmonic distortion:** Super Audio CD: 0.0008 %, CD: 0.0015 %
**Dynamic range:** DVD VIDEO: 115 dB, Super Audio CD: 108 dB, CD: 100 dB
**Wow and flutter:** Less than detected value (±0.001% W PEAK)

### Outputs

(**Jack name:** Jack type/Output level/Load impedance)
**AUDIO OUT L/R 1/2:** Phono jack/2 Vrms/10 kilohms
**DIGITAL OUT (OPTICAL):** Optical output jack/–18 dBm (wave length: 660 nm)
**DIGITAL OUT (COAXIAL):** Phono jack/0.5 Vp-p/75 ohms
**HDMI OUT:** TypeA (19 pin)
**5.1CH OUTPUT:** Phono jack/2 Vrms/10 kilohms
**COMPONENT VIDEO OUT(Y, $P_B/C_B$, $P_R/C_R$):**
Phono jack/Y: 1.0 Vp-p/$P_B/C_B$, $P_R/C_R$: interlace[1] = 0.648 Vp-p, progressive or interlace[2] = 0.7 Vp-p/75 ohms
[1] BLACK LEVEL (COMPONENT OUT) is ON
[2] BLACK LEVEL (COMPONENT OUT) is OFF
**VIDEO OUT 1/2:** (US, CND, KR, CH models)
**VIDEO OUT:** (AEP, UK, RU models)
Phono jack/1.0 Vp-p/75 ohms
**S VIDEO OUT 1/2:** (US, CND, KR, CH models)
**S VIDEO OUT:** (AEP, UK, RU models)
4-pin mini DIN/Y: 1.0 Vp-p/C: 0.286 Vp-p (NISC), 0.3 Vp-p (PAL) /75 ohms
**i.LINK S200 (AUDIO) 1/2:** 4-pin
Maximum data transmission speed: 200 Mbps

### General

**Power requirements:**
120 V AC, 60 Hz (US, CND models)
220 V AC, 60 Hz (KR, CH models)
230 V AC, 50/60 Hz (AEP, UK, RU models)
**Power consumption:**
38 W (US, CND models)
36 W (AEP, UK, RU, KR, CH models)
0.1 W (at the Power Saving Mode)
**Dimensions (approx.):** 430 × 125 × 390 mm (17 × 5 × 15 3/8 in.) (width/height/depth) incl. projecting parts
**Mass (approx.):**
10 kg (22 lb) (US, CND, KR, CH models)
10.5 kg (AEP, UK, RU models)
**Operating temperature:** 5 °C to 35 °C (41 °F to 95 °F)
**Operating humidity:** 25 % to 80 %

### Supplied accessories

•Audio/video cord (pinplug × 3 ⟷ pinplug × 3) (1)
•Remote commander (remote) (1)
•Size AA (R6) batteries (2)
•AC power cord (1)

Specifications and design are subject to change without notice.

•Abbreviation
CH : Chinese model
CND : Canadian model
KR : Korean model
RU : Russian model

## CD/DVD PLAYER

**9-879-852-01**
2005H05-1
© 2005.08

**Sony Corporation**
**Audio Group**
**Published by Sony Engineering Corporation**

SONY®

### Notes on chip component replacement

- Never reuse a disconnected chip component.
- Notice that the minus side of a tantalum capacitor may be damaged by heat.

### Flexible Circuit Board Repairing

- Keep the temperature of the soldering iron around 270 ˚C during repairing.
- Do not touch the soldering iron on the same conductor of the circuit board (within 3 times).
- Be careful not to apply force on the conductor when soldering or unsoldering.

**CAUTION**
Use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

This appliance is classified as a CLASS 1 LASER product. The CLASS 1 LASER PRODUCT MARKING is located on the rear exterior.

### SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety check before releasing the set to the customer:
Check the antenna terminals, metal trim, “metallized” knobs, screws, and all other exposed metal parts for AC leakage.
Check leakage as described below.

### LEAKAGE TEST

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes.). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers’ instructions to use these instruments.
2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.
3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The “limit” indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2 V AC range are suitable. (See Fig. A)

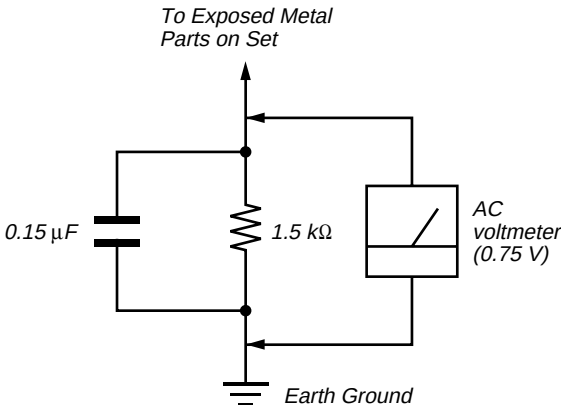



***Fig. A. Using an AC voltmeter to check AC leakage.***

关于安全相关零部件的警告

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所表示的零部件，对于安全操作至关重要。更换时，必须依据本手册或索尼公司追加发行的手册中列明的零件号，使用索尼公司的零件进行。

**SAFETY-RELATED COMPONENT WARNING!!**

**COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.**

**ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!**

**LES COMPOSANTS IDENTIFIÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COM- POSANTS QUE PAR DES PIÈCES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPLÉMENTS PUBLIÉS PAR SONY.**

# This Player Can Play the Following Discs

| Format of discs | |
|---|---|
| DVD VIDEO | |
| DVD-RW | |
| Super Audio CD | |
| VIDEO CD | |
| Music CD | |

"DVD VIDEO" and "DVD-RW" are trademarks.

## Note about CDs

The player can play CD-ROMs/CD-Rs/CD-RWs recorded in the following formats:
– music CD format
– video CD format
– MP3 audio tracks and JPEG image files of format conforming to ISO 9660* Level 1/ Level 2, or its extended format, Joliet
– KODAK Picture CD format

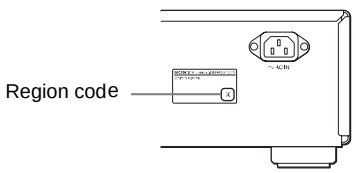
* A logical format of files and folders on CD-ROMs, defined by ISO (International Organization for Standardization).

## Region code

Your player has a region code printed on the back of the unit and will only play DVD VIDEOs (playback only) labeled with identical region codes. This system is used to protect copyrights.

DVD VIDEOs labeled ALL will also play on this player.

If you try to play any other DVD VIDEO, the message "Playback prohibited by area limitations." will appear on the TV screen. Depending on the DVD VIDEO, no region code indication may be labeled even though playing the DVD VIDEO is prohibited by area restrictions.




## Example of discs that the player cannot play

The player cannot play the following discs:
• CD-ROMs/CD-Rs/CD-RWs other than those recorded in the format listed on the previous page.
• Data part of CD-Extras
• DVD-ROMs
• DVD Audios

Also, the player cannot play the following discs:
• A DVD VIDEO with a different region code.
• A disc recorded in a colour system other than PAL or NTSC, such as SECAM (this player conforms to the PAL/NTSC colour system).
• A disc that has a non-standard shape (e.g., card, heart).
• A disc with paper or stickers on it.
• A disc that has the adhesive of cellophane tape or a sticker still left on it.
• DVD-Rs recorded in VR mode (Video Recording format)
• Copy-Once programmes recorded on CPRM* compatible DVD-Rs.

* CPRM; Content Protection for Recordable Media is a coding technology that protects copyright for Copy-Once programmes.

### Notes

• **Notes about DVD+RWs/DVD+Rs, DVD-RWs/DVD-Rs or CD-Rs/CD-RWs**
Some DVD+RWs/DVD+Rs, DVD-RWs/DVD-Rs or CD-Rs/CD-RWs cannot be played on this player due to the recording quality or physical condition of the disc, or the characteristics of the recording device and authoring software.
The disc will not play if it has not been correctly finalized. For more information, see the operating instructions for the recording device. Note that some playback functions may not work with some DVD+RWs/DVD+Rs, even if they have been correctly finalized. In this case, view the disc by normal playback. Also some DATA CDs created in Packet Write format cannot be played.
• **Music discs encoded with copyright protection technologies**
This product is designed to playback discs that conform to the Compact Disc (CD) standard. Recently, various music discs encoded with copyright protection technologies are marketed by some record companies. Please be aware that among those discs, there are some that do not conform to the CD standard and may not be playable by this product.

## Note on DualDiscs

A DualDisc is a two sided disc product which mates DVD recorded material on one side with digital audio material on the other side. However, since the audio material side does not conform to the Compact Disc (CD) standard, playback on this product is not guaranteed.

## Note on playback operations of DVDs and VIDEO CDs

Some playback operations of DVDs and VIDEO CDs may be intentionally set by software producers. Since this player plays DVDs and VIDEO CDs according to the disc contents the software producers designed, some playback features may not be available. Also, refer to the instructions supplied with the DVDs or VIDEO CDs.

## Copyrights

This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

## TABLE OF CONTENTS


**1. SERVICING NOTES** ..... 5

**2. GENERAL** ..... 10

**3. DISASSEMBLY**

3-1. Disassembly Flow ..... 12
3-2. Case ..... 12
3-3. Front Panel Section ..... 13
3-4. Mechanism Deck (CDM66DB-DVBU66) ..... 13
3-5. Base Unit (DVBU66) ..... 14
3-6. Optical Traverse Unit (DBU-3) ..... 14

**4. SERVICE MODE** ..... 15

**5. TEST MODE** ..... 16

**6. ELECTRICAL ADJUSTMENTS** ..... 24

**7. DIAGRAMS**

7-1. Block Diagram – SERVO Section – ..... 27
7-2. Block Diagram – AUDIO Section (1/2) – ..... 28
7-3. Block Diagram – AUDIO Section (2/2) – ..... 29
7-4. Block Diagram – I.LINK Section – ..... 30
7-5. Block Diagram – VIDEO Section (1/2) – ..... 31
7-6. Block Diagram – VIDEO Section (2/2) – (AEP, UK, RU models) ..... 32
7-7. Block Diagram – PANEL Section – ..... 33
7-8. Block Diagram – POWER SUPPLY Section – ..... 34
7-9. Printed Wiring Board – BU Board – ..... 36
7-10. Schematic Diagram – BU Board – ..... 37
7-11. Printed Wiring Boards – MAIN Section (1/2) – ..... 38
7-12. Printed Wiring Board – MAIN Section (2/2) – ..... 39
7-13. Schematic Diagram – MAIN Section (1/15) – ..... 40
7-14. Schematic Diagram – MAIN Section (2/15) – ..... 41
7-15. Schematic Diagram – MAIN Section (3/15) – ..... 42
7-16. Schematic Diagram – MAIN Section (4/15) – ..... 43
7-17. Schematic Diagram – MAIN Section (5/15) – ..... 44
7-18. Schematic Diagram – MAIN Section (6/15) – ..... 45
7-19. Schematic Diagram – MAIN Section (7/15) – ..... 46
7-20. Schematic Diagram – MAIN Section (8/15) – ..... 47
7-21. Schematic Diagram – MAIN Section (9/15) – ..... 48
7-22. Schematic Diagram – MAIN Section (10/15) – ..... 49
7-23. Schematic Diagram – MAIN Section (11/15) – ..... 50
7-24. Schematic Diagram – MAIN Section (12/15) – ..... 51
7-25. Schematic Diagram – MAIN Section (13/15) – ..... 52
7-26. Schematic Diagram – MAIN Section (14/15) – ..... 53
7-27. Schematic Diagram – MAIN Section (15/15) – ..... 54
7-28. Printed Wiring Board – AUDIO Board (Component Side) – ..... 56
7-29. Printed Wiring Board – AUDIO Board (Conductor Side) – ..... 57
7-30. Schematic Diagram – AUDIO Board (1/4) – ..... 58
7-31. Schematic Diagram – AUDIO Board (2/4) – ..... 59
7-32. Schematic Diagram – AUDIO Board (3/4) – ..... 60
7-33. Schematic Diagram – AUDIO Board (4/4) – ..... 61
7-34. Printed Wiring Board – VIDEO Board (Component Side) – (US, CND, KR, CH models) ..... 62
7-35. Printed Wiring Board – VIDEO Board (Conductor Side) – (US, CND, KR, CH models) ..... 63
7-36. Schematic Diagram – VIDEO Board (1/2) – (US, CND, KR, CH models) ... 64
7-37. Schematic Diagram – VIDEO Board (2/2) – (US, CND, KR, CH models) ... 65
7-38. Printed Wiring Board – VIDEO Board (Component Side) – (AEP, UK, RU models) ..... 66
7-39. Printed Wiring Board – VIDEO Board (Conductor Side) – (AEP, UK, RU models) ..... 67
7-40. Schematic Diagram – VIDEO Board (1/2) – (AEP, UK, RU models) ..... 68
7-41. Schematic Diagram – VIDEO Board (2/2) – (AEP, UK, RU models) ..... 69
7-42. Printed Wiring Board – DISPLAY Board – ..... 70
7-43. Schematic Diagram – DISPLAY Board – ..... 71
7-44. Printed Wiring Boards – KEY Section – ..... 72
7-45. Schematic Diagram – KEY Section – ..... 73
7-46. Printed Wiring Board – RS232C Board – ..... 74
7-47. Schematic Diagram – RS232C Board – ..... 75
7-48. Printed Wiring Board – POWER2 Board – ..... 76
7-49. Schematic Diagram – POWER2 Board – ..... 77
7-50. Printed Wiring Board – POWER1 Board (Component Side) – ..... 78
7-51. Printed Wiring Board – POWER1 Board (Conductor Side) – ..... 79
7-52. Schematic Diagram – POWER1 Board – ..... 80

**8. EXPLODED VIEWS**

8-1. Case Section ..... 115
8-2. Display Board Section ..... 116
8-3. Front Panel Section ..... 117
8-4. Video Board Section (US, CND, KR, CH models) ..... 118
8-5. Video Board Section (AEP, UK, RU models) ..... 119
8-6. Chassis Section ..... 120
8-7. Mechanism Deck Section (CDM66DB-DVBU66) ..... 121
8-8. Base Unit Section (DVBU66) ..... 122

**9. ELECTRICAL PARTS LIST** ..... 123


- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  RU : Russian model

# SECTION 1
# SERVICING NOTES

## NOTES ON HANDLING THE OPTICAL PICK-UP BLOCK OR BASE UNIT

The laser diode in the optical pick-up block may suffer electrostatic break-down because of the potential difference generated by the charged electrostatic load, etc. on clothing and the human body.
During repair, pay attention to electrostatic break-down and also use the procedure in the printed matter which is included in the repair parts.
The flexible board is easily damaged and should be handled with care.

## NOTES ON LASER DIODE EMISSION CHECK

The laser beam on this model is concentrated so as to be focused on the disc reflective surface by the objective lens in the optical pick-up block. Therefore, when checking the laser diode emission, observe from more than 30 cm away from the objective lens.

## UNLEADED SOLDER

Boards requiring use of unleaded solder are printed with the lead-free mark (LF) indicating the solder contains no lead.
(Caution: Some printed circuit boards may not come printed with the lead free mark due to their particular size)

## : LEAD FREE MARK

Unleaded solder has the following characteristics.

- Unleaded solder melts at a temperature about 40 °C higher than ordinary solder.
  Ordinary soldering irons can be used but the iron tip has to be applied to the solder joint for a slightly longer time.
  Soldering irons using a temperature regulator should be set to about 350 °C.
  Caution: The printed pattern (copper foil) may peel away if the heated tip is applied for too long, so be careful!
- Strong viscosity
  Unleaded solder is more viscou-s (sticky, less prone to flow) than ordinary solder so use caution not to let solder bridges occur such as on IC pins, etc.
- Usable with ordinary solder
  It is best to use only unleaded solder but unleaded solder may also be added to ordinary solder.

## RELEASING THE TRAY LOCK

The disc tray lock function for the antitheft of an demonstration disc in the store is equipped.

**Releasing Procedure :**

1. Press the I/⏻ button to turn the power on.
2. While pressing the ■ button, press the ⏏ button until "TRAY UNLOCKED" displayed on the FL tube (around 5 seconds).

**Note:** When "TRAY LOCKED" is displayed, the tray lock is not released by turning power on/off with the I/⏻ button.

## NOTES ON REPLACEMENT OF THE MAIN BOARD

### 1. Flash Memory

New part of flash memory (IC253, IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

### 2. Adjustment

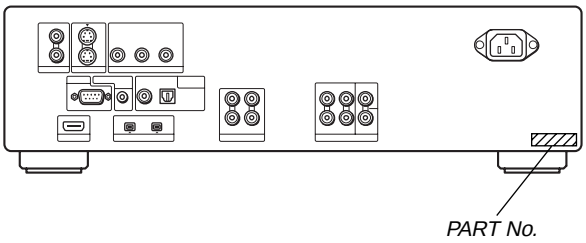
When replacing the MAIN board, since the adjustment value is not set up correctly, "Drive Auto Adjustment" in the Test Mode can't be performed.
In this case, initialize memory in the following procedures.

**Procedure:**

1. Connect a video monitor to VIDEO OUT jack (J502).
2. Press the TOP MENU, CLEAR, I/⏻ keys on the remote commander (RM-ASP003 or RM-ASP004) in this order with standby status to enter the Test Mode, then "DIAG START" will be displayed on the fluorescent indicator tube and the Test Mode Menu screen will be displayed on the monitor.
3. Press the 2 key on the remote commander to select the "2. Drive Manual Operation".
4. Press the 6 key on the remote commander to select the "6. Memory Check".
5. Press the CLEAR key on the remote commander to initialize the memory.

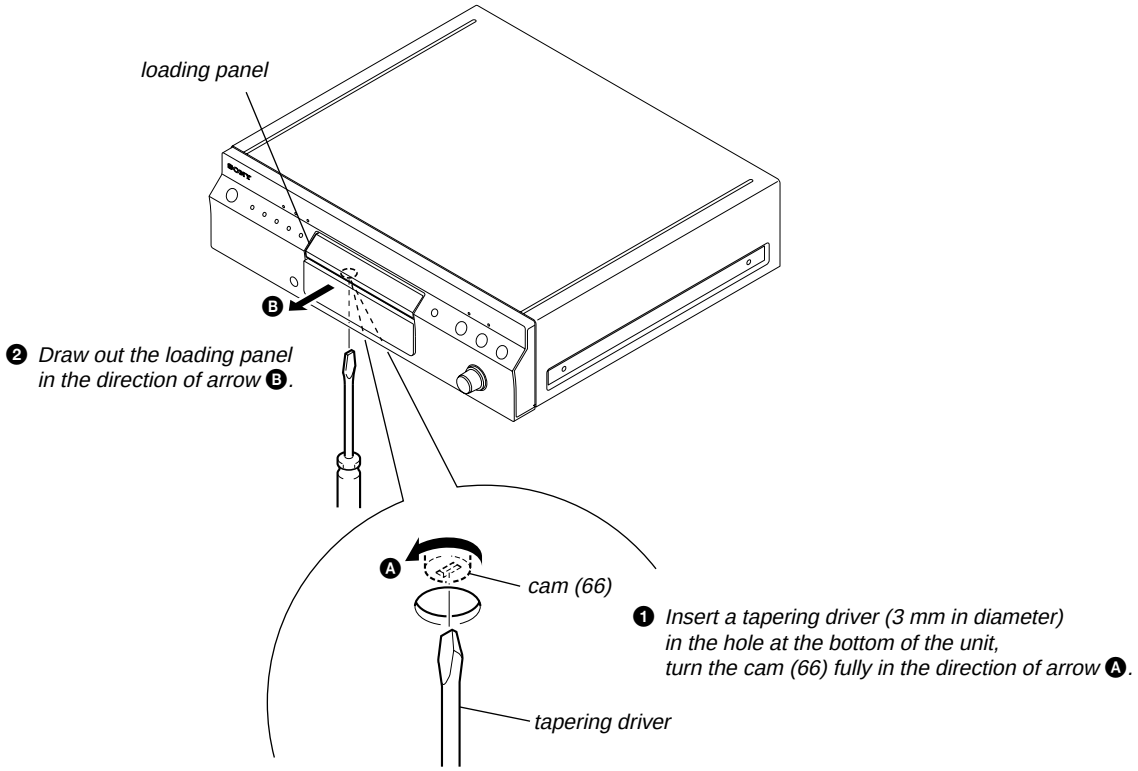
**Note:** Refer to page 17 for detail of the Test Mode

## MODEL IDENTIFICATION
## – Back Panel –




| MODEL | PART No. |
|---|---|
| US, Korean and Chinese models | 2-546-946-0□ |
| Canadian model | 2-546-946-1□ |
| AEP, UK and Russian models | 2-546-946-2□ |

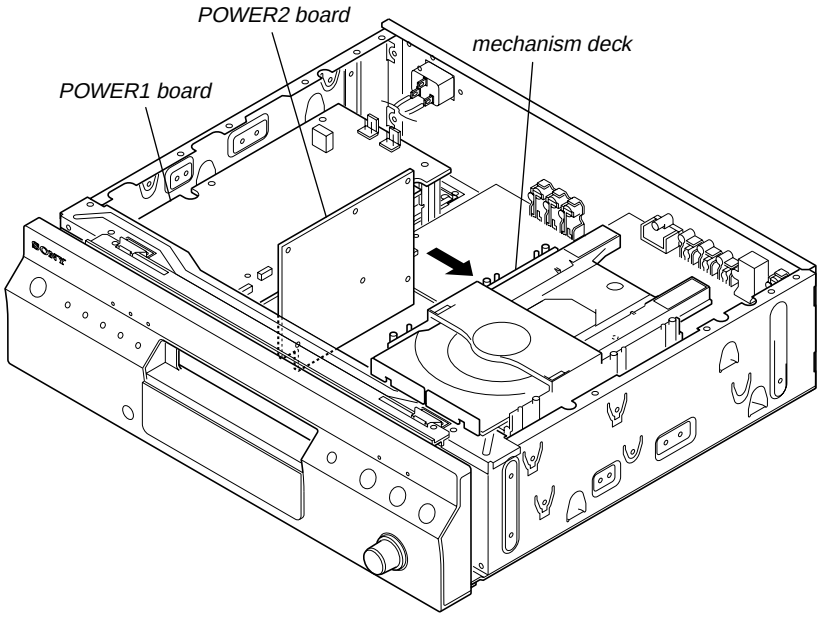
**HOW TO OPEN THE LOADING PANEL WHEN POWER SWITCH TURNS OFF**


loading panel
B
❷ Draw out the loading panel in the direction of arrow B.
A
cam (66)
❶ Insert a tapering driver (3 mm in diameter) in the hole at the bottom of the unit, turn the cam (66) fully in the direction of arrow A.
tapering driver

**POWER2 BOARD SERVICE POSITION**

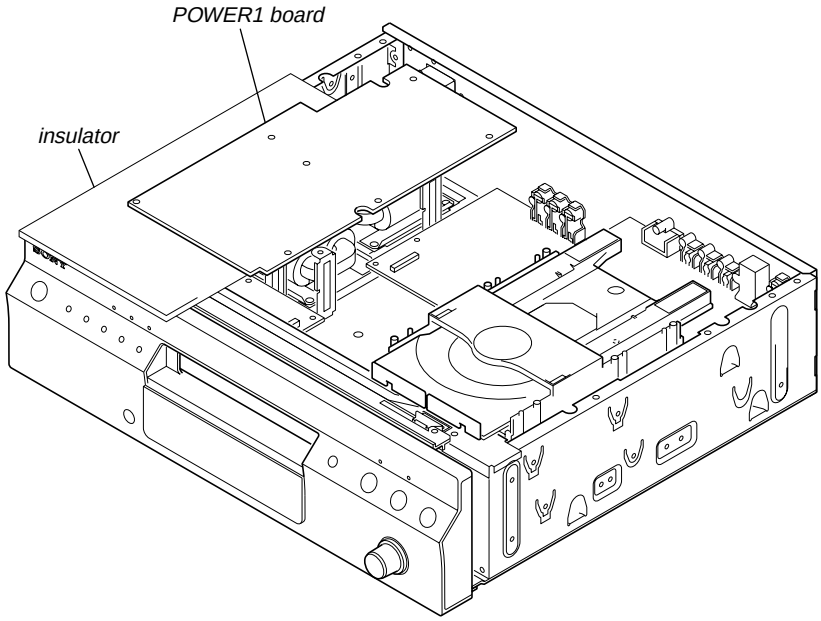
*Note1: When remove the loading panel.*
*(Refer to page 13, 3-3. FRONT PANEL SECTION.)*

*Note2: When checking the POWER2 board on the lower side, remove the POWER1 board and the POWER2 board, and then reassemble the POWER1 board only to set it in the service position.*
*In such a case, shift the mechanism deck in the arrow direction.*



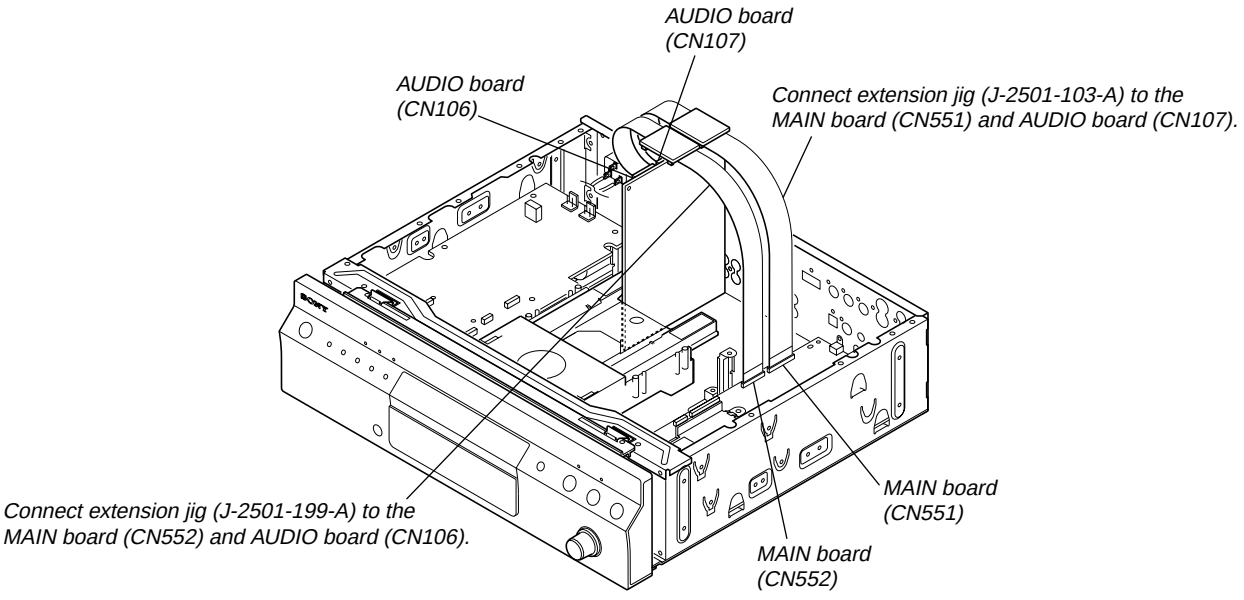
**POWER1 BOARD SERVICE POSITION**

*Note: When remove the loading panel.*
*(Refer to page 13, 3-3. FRONT PANEL SECTION.)*



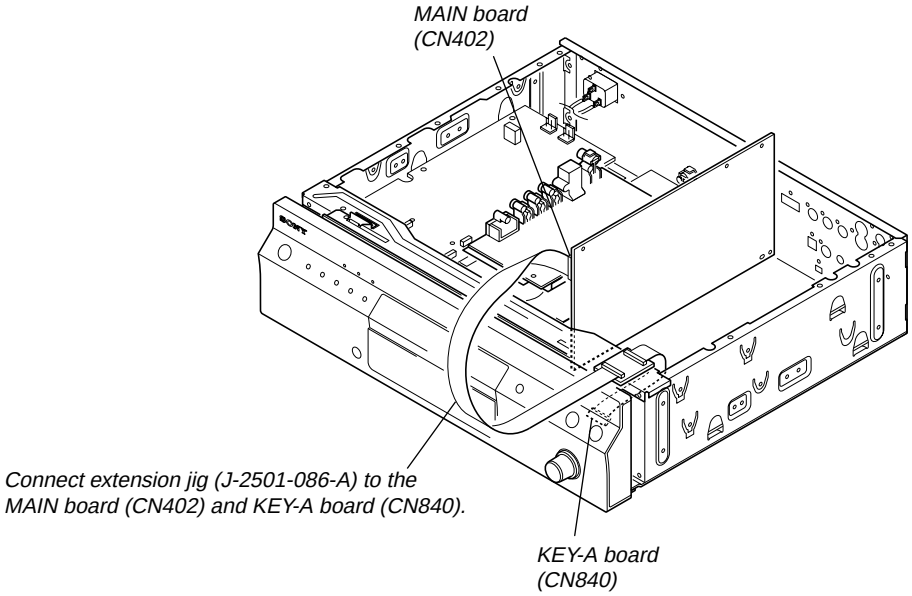

**AUDIO BOARD SERVICE POSITION**

- In checking the AUDIO board, prepare two extension jigs (Part No. J-2501-103-A: 1.00mm pitch, 29 cores, length 300mm and Part No. J-2501-199-A: 1.00mm pitch, 25 cores, length 300mm).



### MAIN BOARD SERVICE POSITION

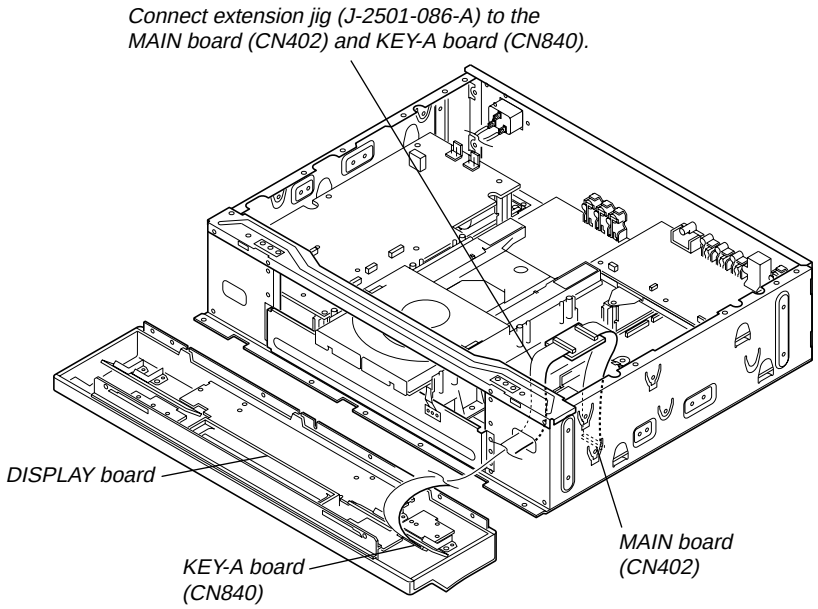
- In checking the MAIN board, prepare extension jig (Part No. J-2501-086-A: 1.00mm pitch, 19 cores, length 300mm).




### DISPLAY BOARD SERVICE POSITION

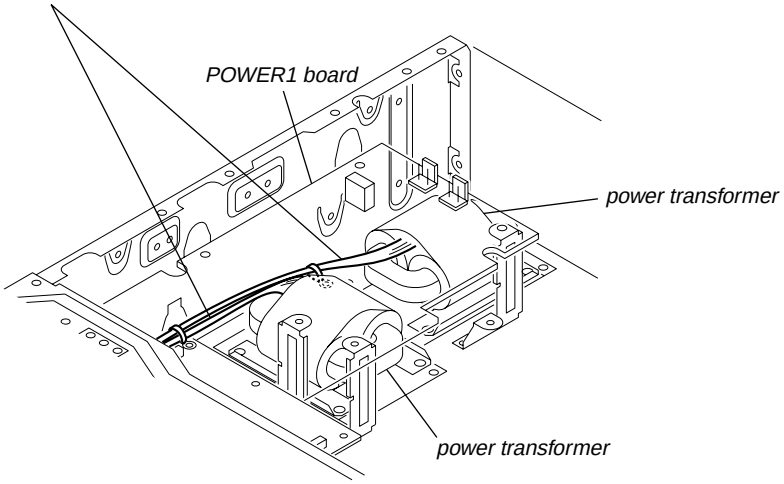
- In checking the DISPLAY board, prepare extension jig (Part No. J-2501-086-A: 1.00mm pitch, 19 cores, length 300mm).

*Note: When remove the loading panel.*
*(Refer to page 13, 3-3. FRONT PANEL SECTION.)*



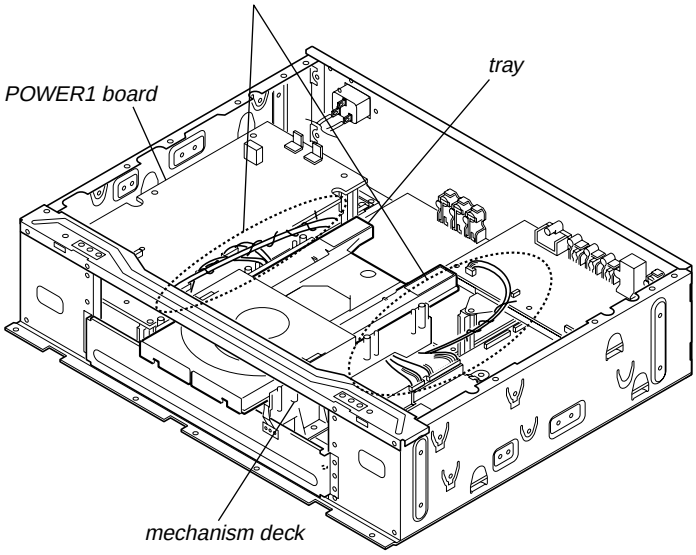
**FIXING THE WIRES AROUND THE POWER TRANSFORMER**

*Note: They must not contact the primary side of the POWER1 board.*




**FIXING THE WIRES AROUND THE MECHANISM DECK**

*Note1: They must not contact the primary side of the POWER1 board.*
*Note2: They must not contact the tray of the mechanism deck.*



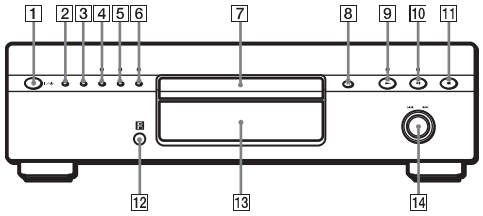
# SECTION 2
# GENERAL

This section is extracted from instruction manual.

## • Location of Controls

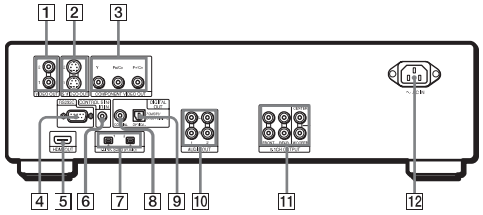
### Front panel

The brightness of the indicators is linked to the dimmer function. When you select “DARK,” “AUTO DARK,” or “FL OFF” by pressing DIMMER, the indicators become dark.



1 I/⏻ (on/standby) button
2 MULTI/2CH button
3 SA-CD (Super Audio CD) /CD button
4 DIMMER button/indicator
5 VIDEO OFF button/indicator
6 i.LINK button/indicator
7 Disc tray
8 ⏏ (open/close) button
9 ► (play) button/indicator
10 ❚❚ (pause) button/indicator
11 ■ (stop) button
12 (remote sensor)
13 Front panel display
14 I◄◄/►►I (previous/next)/PUSH ENTER dial

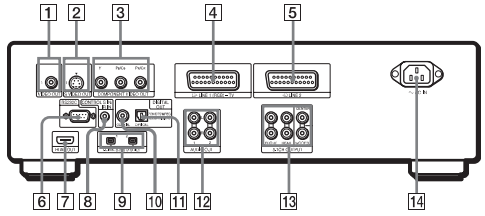
### Rear panel (US, Canadian, Korean, Chinese models)



1 VIDEO OUT 1/2 jacks
2 S VIDEO OUT 1/2 jacks
3 COMPONENT VIDEO OUT (Y, PB/CB, PR/CR) jacks
4 RS232C jack*
5 HDMI OUT (high-definition multimedia interface out) jack
6 CONTROL S IN/IR IN jack
7 i.LINK S200 (AUDIO) jacks
8 DIGITAL OUT (COAXIAL) jack
9 DIGITAL OUT (OPTICAL) jack
10 AUDIO OUT L/R 1/2 jacks
11 5.1CH OUTPUT jacks
12 AC IN terminal

* Used for maintenance and service.

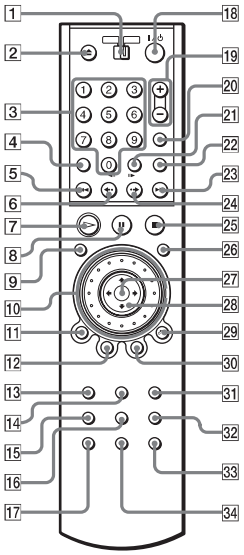
### Rear panel (AEP, UK, Russian models)



1 VIDEO OUT jack
2 S VIDEO OUT jack
3 COMPONENT VIDEO OUT (Y, PB/CB, PR/CR) jacks
4 LINE 1 (RGB)-TV jack
5 LINE 2 jack
6 RS232C jack*
7 HDMI OUT (high-definition multimedia interface out) jack
8 CONTROL S IN/IR IN jack
9 i.LINK S200 (AUDIO) jacks
10 DIGITAL OUT (COAXIAL) jack
11 DIGITAL OUT (OPTICAL) jack
12 AUDIO OUT L/R 1/2 jacks
13 5.1CH OUTPUT jacks
14 AC IN terminal

* Used for maintenance and service.

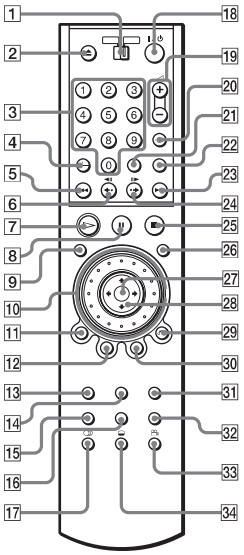
### Remote (US, Canadian, Korean, Chinese models)



1 TV/DVD switch
2 ⏏ (open/close) button
3 Number buttons
The number 5 button has a tactile dot.*
4 CLEAR button
5 I◄◄ PREV (previous) button
6 ◄II ←• STEP/REPLAY button
7 ▻ PLAY button
The ▻ button has a tactile dot.*
8 ❚❚ PAUSE button
9 PICTURE NAVI (picture navigation) button
10 Click shuttle
11 DISPLAY button
12 TOP MENU button
13 SA-CD MULTI/2CH (Super Audio CD multi/2 channel) button
14 SA-CD/CD (Super Audio CD/CD) button
15 ZOOM button
16 REPEAT button
17 AUDIO button
18 I/⏻ (on/standby) button
19 VOL (volume) +/– buttons
The + button has a tactile dot.*
20 TV/VIDEO/TIME/TEXT button
21 ENTER button
22 WIDE MODE/i.LINK button
23 ►►I NEXT (next) button
24 •→ II► ADVANCE/S TEP button
25 ■ STOP button
26 JOG button
27 ENTER button
28 ←/↑/↓/→ buttons
29 RETURN button
30 MENU button
31 VIDEO OFF button
32 VIDEO CONTROL button
33 ANGLE button
34 SUBTITLE button

* Use the tactile dot as a reference when operating the player.

### Remote (AEP, UK, Russian models)

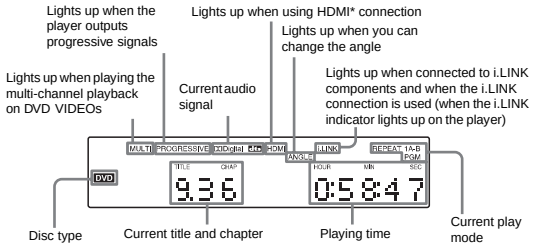


1 TV/DVD switch
2 ⏏ (open/close) button
3 Number buttons
The number 5 button has a tactile dot.*
4 CLEAR/-/-- (ten’s digit) button
5 I◄◄ (previous) button
6 ◄II ←• button
7 ▻ (play) button
The ▻ button has a tactile dot.*
8 ❚❚ (pause) button
9 PICTURE NAVI (picture navigation) button
10 Click shuttle
11 DISPLAY button
12 TOP MENU button
13 SA-CD MULTI/2CH (Super Audio CD multi/2 channel) button
14 SA-CD/CD (Super Audio CD/CD) button
15 ZOOM button
16 REPEAT button
17 (audio) button
18 I/⏻ (on/standby) button
19 (volume) +/– buttons
The + button has a tactile dot.*
20 TV/VIDEO/TIME/TEXT button
21 ENTER button
22 WIDE MODE/i.LINK button
23 ►►I (next) button
24 •→ II► button
25 ■ (stop) button
26 JOG button
27 ENTER button
28 ←/↑/↓/→ buttons
29 RETURN button
30 MENU button
31 VIDEO OFF button
32 VIDEO CONTROL button
33 (angle) button
34 (subtitle) button

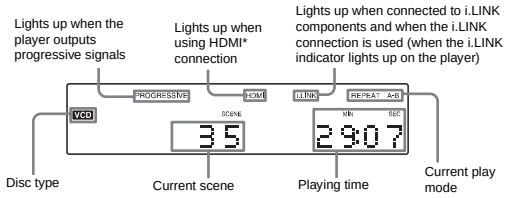
* Use the tactile dot as a reference when operating the player.

## Front panel display (US, Canadian, Korean models)

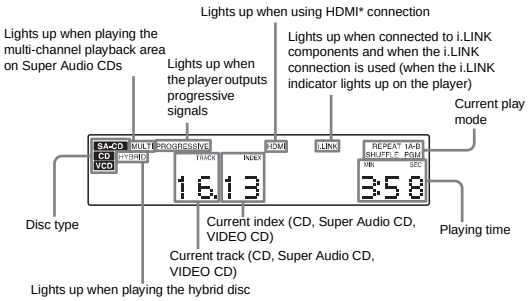
### When playing back a DVD VIDEO/DVD-RW


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when you can change the angle
Lights up when playing the multi-channel playback on DVD VIDEOs
Current audio signal
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current title and chapter
Playing time
Current play mode

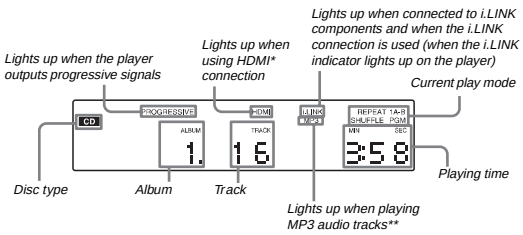
### When playing back a VIDEO CD with Playback Control (PBC)


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current scene
Playing time
Current play mode

### When playing back a CD, Super Audio CD, or VIDEO CD (without PBC)


Lights up when using HDMI* connection
Lights up when playing the multi-channel playback area on Super Audio CDs
Lights up when the player outputs progressive signals
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Current play mode
Disc type
Current index (CD, Super Audio CD, VIDEO CD)
Playing time
Current track (CD, Super Audio CD, VIDEO CD)
Lights up when playing the hybrid disc

### When playing back a DATA CD (MP3 audio)


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Current play mode
Playing time
Disc type
Album
Track
Lights up when playing MP3 audio tracks**

* This player is based on version 1.1 of High-Definition Multimedia Interface Specifications.

This DVD player incorporates High-Definition Multimedia Interface (HDMI™) technology.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

** When playing JPEG image files, "JPEG" appears on the display.

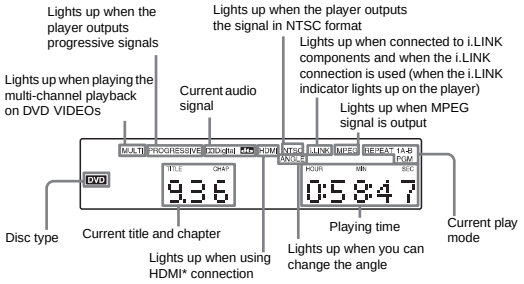
**To adjust the lighting of the front panel display (DIMMER function)**

Press DIMMER on the player repeatedly to select an item.

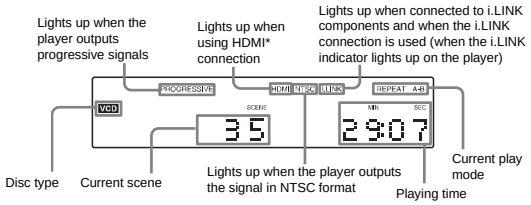
- BRIGHT: makes the lighting bright.
- DARK: makes the lighting dark.
- AUTO DARK: makes the front panel display dark if you do not operate the player or remote for a short while.
- FL OFF: turns off the lighting.

## Front panel display (AEP, UK, Russian, Chinese models)

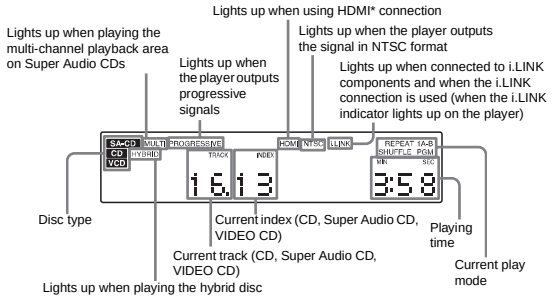
### When playing back a DVD VIDEO/DVD-RW


Lights up when the player outputs progressive signals
Lights up when the player outputs the signal in NTSC format
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Lights up when playing the multi-channel playback on DVD VIDEOs
Current audio signal
Lights up when MPEG signal is output
Disc type
Current title and chapter
Playing time
Current play mode
Lights up when using HDMI* connection
Lights up when you can change the angle

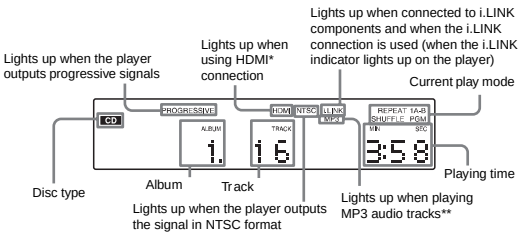
### When playing back a VIDEO CD with Playback Control (PBC)


Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current scene
Lights up when the player outputs the signal in NTSC format
Playing time
Current play mode

### When playing back a CD, Super Audio CD, or VIDEO CD (without PBC)


Lights up when using HDMI* connection
Lights up when playing the multi-channel playback area on Super Audio CDs
Lights up when the player outputs the signal in NTSC format
Lights up when the player outputs progressive signals
Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Disc type
Current index (CD, Super Audio CD, VIDEO CD)
Playing time
Current track (CD, Super Audio CD, VIDEO CD)
Current play mode
Lights up when playing the hybrid disc

### When playing back a DATA CD (MP3 audio)


Lights up when connected to i.LINK components and when the i.LINK connection is used (when the i.LINK indicator lights up on the player)
Lights up when the player outputs progressive signals
Lights up when using HDMI* connection
Current play mode
Playing time
Disc type
Album
Track
Lights up when the player outputs the signal in NTSC format
Lights up when playing MP3 audio tracks**

* This player is based on version 1.1 of High-Definition Multimedia Interface Specifications.

This DVD player incorporates High-Definition Multimedia Interface (HDMI™) technology.

HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.

** When playing JPEG image files, "JPEG" appears on the display.

**To adjust the lighting of the front panel display (DIMMER function)**

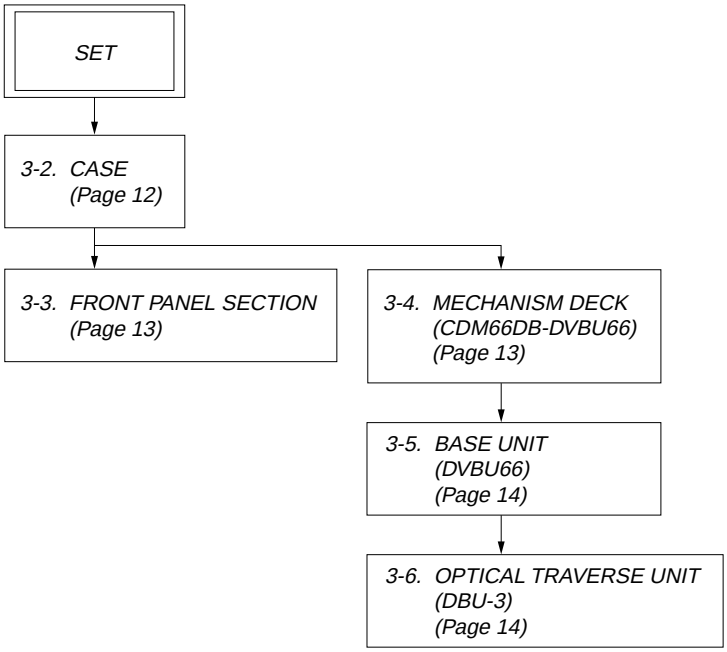
Press DIMMER on the player repeatedly to select an item.

- BRIGHT: makes the lighting bright.
- DARK: makes the lighting dark.
- AUTO DARK: makes the front panel display dark if you do not operate the player or remote for a short while.
- FL OFF: turns off the lighting.

# SECTION 3
# DISASSEMBLY

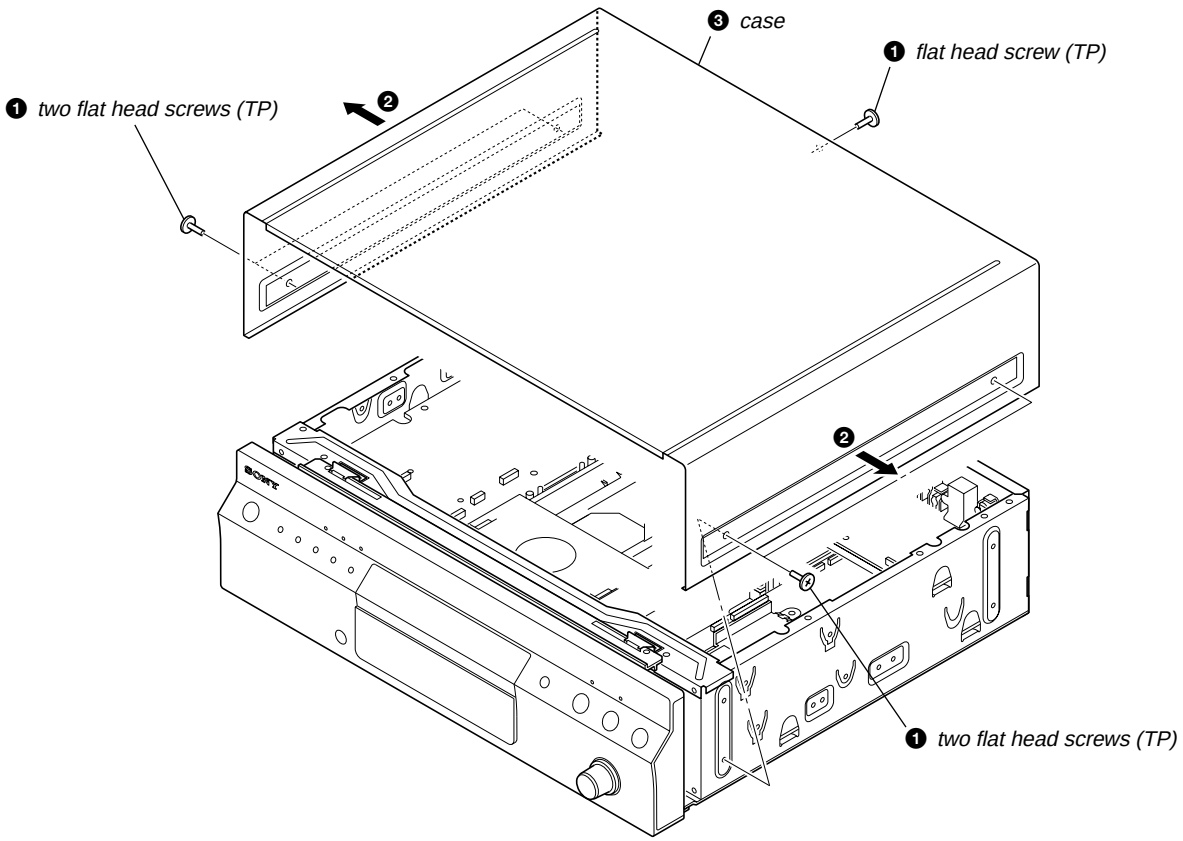
- This set can be disassembled in the order shown below.

## 3-1. DISASSEMBLY FLOW

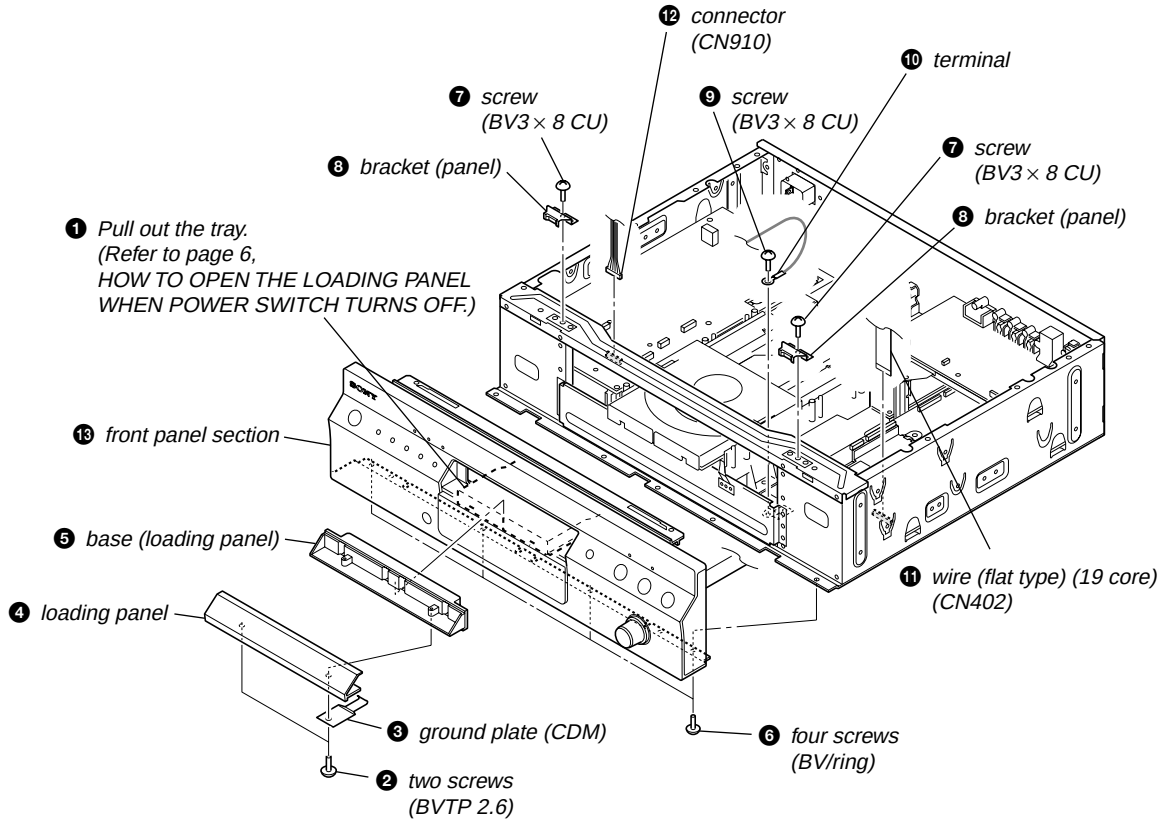



**Note:** Follow the disassembly procedure in the numerical order given.

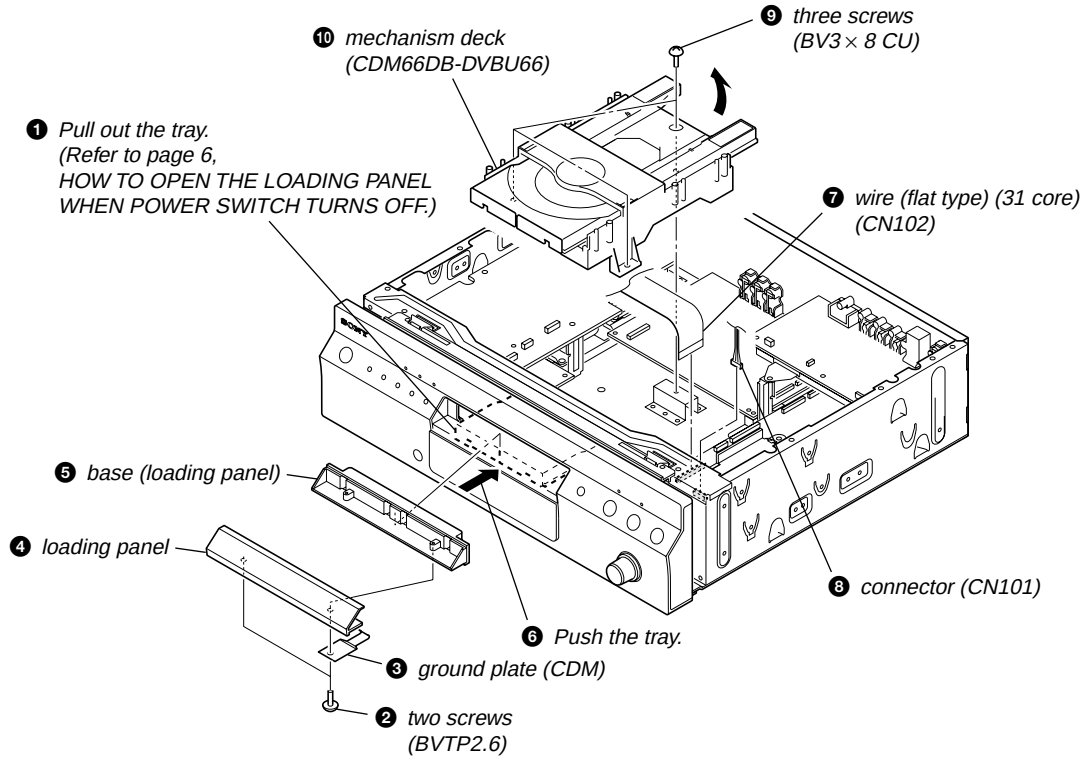
## 3-2. CASE



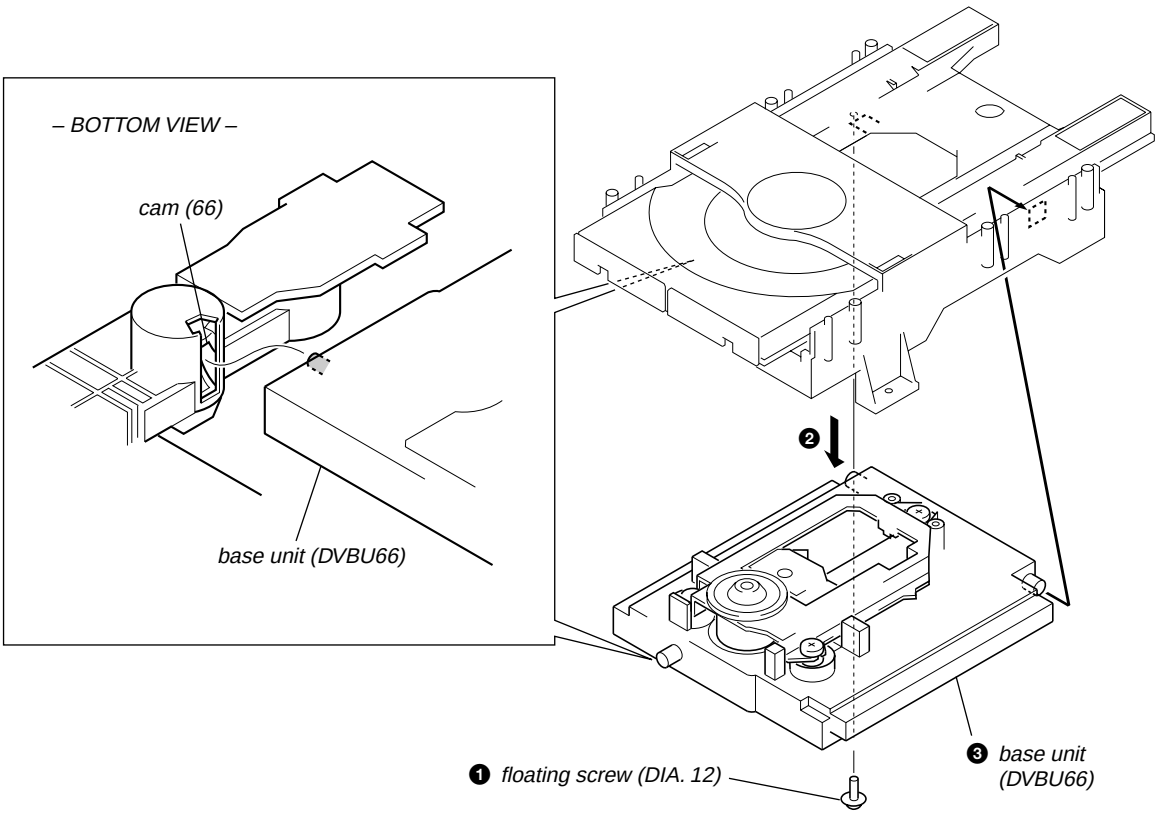
### 3-3. FRONT PANEL SECTION


⓬ connector (CN910)
⓾ terminal
❼ screw (BV3 × 8 CU)
❾ screw (BV3 × 8 CU)
❼ screw (BV3 × 8 CU)
❽ bracket (panel)
❽ bracket (panel)
❶ Pull out the tray. (Refer to page 6, HOW TO OPEN THE LOADING PANEL WHEN POWER SWITCH TURNS OFF.)
⓭ front panel section
❺ base (loading panel)
⓫ wire (flat type) (19 core) (CN402)
❹ loading panel
❸ ground plate (CDM)
❻ four screws (BV/ring)
❷ two screws (BVTP 2.6)

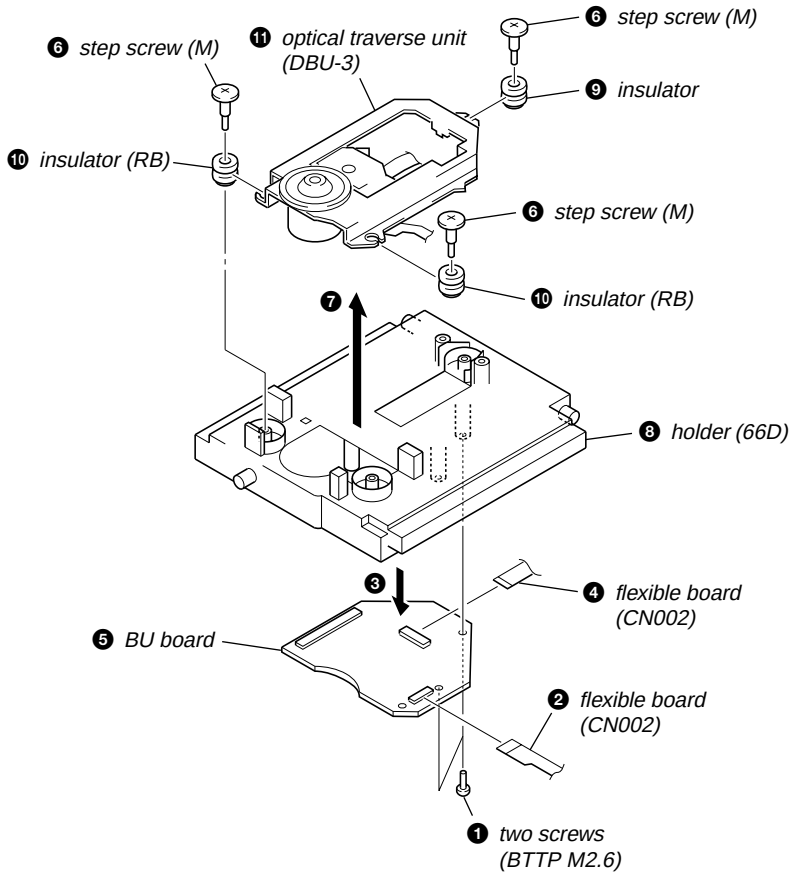
### 3-4. MECHANISM DECK (CDM66DB-DVBU66)


❾ three screws (BV3 × 8 CU)
❿ mechanism deck (CDM66DB-DVBU66)
❶ Pull out the tray. (Refer to page 6, HOW TO OPEN THE LOADING PANEL WHEN POWER SWITCH TURNS OFF.)
❼ wire (flat type) (31 core) (CN102)
❺ base (loading panel)
❹ loading panel
❽ connector (CN101)
❻ Push the tray.
❸ ground plate (CDM)
❷ two screws (BVTP2.6)

### 3-5. BASE UNIT (DVBU66)




### 3-6. OPTICAL TRAVERSE UNIT (DBU-3)



# SECTION 4
# SERVICE MODE

## TRAY LOCK

This mode let you lock the disc tray. When this mode is activated, the disc will not eject when ⏏ button is pressed. The message "TRAY LOCKED" will be displayed in on the FL tube.

**Procedure:**

1. Press the I/⏻ button to turn the power on.
2. While pressing the ■ button, press the ⏏ button until "TRAY LOCKED" or "TRAY UNLOCKED" displayed on the FL tube (around 5 seconds).

## CHILD LOCK

This player can lock the disc tray to prevent children from opening it.

**Procedure:**

1. In the standby mode, press the RETURN, ENTER, I/⏻ buttons on the remote in this order.
2. It turns on and "LOCKED" appears on the FL tube.
3. The OPEN/CLOSE button on the player and the remote do not work while this lock is set.
4. To release this lock, when the player is in standby mode, operate the remote in the same manner as step 1 again.
   It turns on and "UNLOCKED" appears on the FL tube.

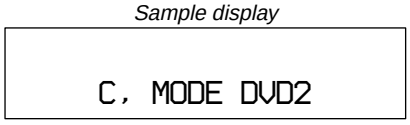
## COMMAND MODE SETTEING

If the supplied remote interferes with your other Sony DVD player, change the command mode setting for this player and the supplied remote to one that differs from the other Sony DVD player.
The default command mode setting for this player and the supplied remote is DVD 1.

**Procedure:**

1. Slide the COMMAND MODE switch in the battery case of the remote to select the command mode (DVD 1, DVD 2, or DVD 3) so that the setting for the remote differs from that of the other DVD players.
   For example, if the other DVD players respond to the default command mode setting for the supplied remote (DVD 1), set the remote to DVD 2 or DVD 3.
2. In the standby mode, hold down MULTI/2CH button and press I/⏻ button on the player. The command mode appears on the FL tube as follows.

*Sample display*




3. Repeat steps 2 and 3 until the displayed command mode matches that of the supplied remote.

## SHIP MODE

If this mode is executed, each setting data is initialized.

**Procedure:**

1. In the standby mode, while pressing the ❚❚ and SA-CD/CD buttons, press the ► button.
2. When enter the Ship Mode, it displays "SETUP INIT" on the FL tube and start the data initializing.
3. When the initializing is complete, it displays "FINISHED" on the FL tube. Then press the I/⏻ button and back to standby mode.

# SECTION 5
# TEST MODE

**DVD SECTION**

## GENERAL DESCRIPTION

The Test Mode allows you to make diagnosis and adjustment easily using the remote commander and monitor TV. The instructions, diagnostic results, etc. are given on the on-screen display (OSD).

## STARTING TEST MODE

Press the [TOP MENU], [CLEAR], [I/⏻] keys on the remote commander in this order with standby status, and the Test Mode starts, then "DIAG START" will be displayed on the fluorescent display tube and the menu shown below will be displayed on the TV screen. At the bottom of menu screen, the model name and revision number are displayed. Last Off at the lower right of screen indicates the information code concerning the last power off. To execute each function, select the desired menu and press its number on the remote commander. To exit from the Test Mode, press the [I/⏻] key.

```
         Test Mode Menu

0. B/E Diagnosis
1. Drive Auto Adjustment
2. Drive Manual Operation
3. Mecha Aging
4. Emergency History
5. Version Information
6. Video Level Adjustment
                 Exit: Power Key

Model   :DVP-NS9100ES
Revision:xxx xxx
```

## OPERATING THE SUB MENU

### 0. B/E Diagnosis

The same contents as board detail check by serial interface can be checked from the remote commander. On the Test Mode Menu screen, press [0] key on the remote commander, and the following check menu will be displayed.

```
   ### BackEnd Diagnosis ###
Check Menu
0 . Quit
1 . All
2 . Version
3 . Peripheral
4 . Servo
5 . Video
6 . Audio


Model   :DVP-NS9100ES
Revision:xxx xxx
```

### 0-0. Quit

Quit the Syscon Diagnosis and return to the Test Mode Menu.

### 0-1. All (All items continuous check)

This menu checks all diagnostic items continuously. Normally, all items are checked successively one after another automatically unless an error is found, but at a certain item that requires judgment through a visual check to the result, the following screen is displayed for the key entry.

- **Example display**

```
   ### BackEnd Diagnosis ###

2. Version

2-0. Quit
2-1. ALL
2-2. Revision:x.xxx

2-4. Model   :SINGLE ES(x)
2-5. Region:x
Press NEXT Key to Continue
```

Following the message, press [▶▶I] key to go to the next item.

To quit the diagnosis and return to the Check Menu screen, press [■] or [ENTER] key. If an error occurred, the diagnosis is suspended.
Press [I◀◀] key to repeat the same item where an error occurred, or [▶▶I] key to continue the check from the item next to faulty item.

### 0-2. Version

(2-2) Revision
ROM revision number is displayed.
Error: Not detected.
The revision number defined in the source file is displayed with four digits.

(2-4) Model Type
Model code is displayed.
Error: Not detected.
The model code read from the EEPROM is displayed.

(2-5) Region
Region code is displayed.
Error: Not detected.
The region code determined from the model code is displayed.

### 0-3. Peripheral

(3-2) Flash Rom
Data delete ⟶ write ⟶ read, and accord check
Error 32: Delete error
Error 33: Write error
Error 34: Read data discord
Error may occur due to defect of access with the CPU (MAIN board IC256).

(3-3) SA-CD Check
Data write ⟶ read, and accord check
Error 36: Write/read data discord
Check for SA-CD circuit (MAIN board IC502 and around circuit).

(3-4) Venc Check
Register write ⟶ read, and accord check
Error 37: Write/read data discord
Error may occur due to defect of access with the CPU (MAIN board IC256).

(3-6) LIP sync RAM Check
Data write ⟶ read, and accord check
Error 38: Write/read data discord
External RAM check for LIP sync (MAIN board IC552).

(3-7) PROV Check
Data write ⟶ read, and accord check
Error 39: Write/read data discord
External RAM check for I/P converter (MAIN board IC603) too.

(3-8) HDMI Check
Register write ⟶ read, and accord check
Error 43: Write/read data discord
Error may occur due to defect of access with the HDMI transmitter (MAIN board IC607).

### 0-4. Servo

(4-2) Servo (F/E) Check
Data write ⟶ read, and accord check
Error 41: Read data discord
0x9249, 0x2942 and 0x4294 are written to the RAM address 0x602 of the DVD interface (front-end) (MAIN board IC105) and then read for checking.

### 0-5. Video

(5-2) Interlace
Error: Not detected.
The command is transferred to the video encoder (MAIN board IC606), and change the video signal to interlace.

(5-3) Progressive
AVD color bar command write ⟶ Video (Composite, Y/C) OUT
Error: Not detected.
The command is transferred to the video encoder (MAIN board IC606), and change the video signal to progressive.

(5-4) Color Bar
Error: Not detected.
The command is transferred to the video encoder (MAIN board IC606), and the color bar signals are output from video terminals.

### 0-6. Audio

Not used.

### 1. Drive Auto Adjustment

**DVD reference disc:**

Single Layer
- TDV-520CS0 (J-2501-236-A) (NTSC)
- HLX-503 (J-6090-069-A) (NTSC)
- HLX-504 (J-6090-088-A) (NTSC)

Dual Layer
- TDV-540C (J-2501-235-A) (NTSC, Opposite)
- HLX-501 (J-6090-071-A) (NTSC)
- HLX-505 (J-6090-089-A) (NTSC)

**Note:** Use the NTSC test disc also for PAL model.

**CD reference disc:**

LUV-P01 (4-999-032-01)
YEDS-18 (3-702-101-01)
PATD-012 (4-225-203-01)

On the Test Mode Menu screen, press [1] key on the remote commander, and the drive auto adjustment menu will be displayed.

```
   ## Drive Auto Adjustment ##

         Adjustment Menu

0. ALL (DL:Parallel)
1. DVD-SL
2. CD
3. DVD-DL (Parallel)

4. ALL (DL:Opposite)
5. DVD-DL (Opposite)
9. CLEAR DATA
                      Exit: RETURN
```

Normally, [0] or [4] is selected to adjust DVD (single layer), CD, and DVD (dual layer) in this order. But, individual items can be adjusted for the case where adjustment is suspended due to an error. In this mode, the adjustment can be made easily through the operation following the message displayed on the screen. Which disc is currently adjusted is displayed on the fluorescent display tube.

### 1-0. ALL (DL: Parallel)

Select [0] and press the [ENTER] key. Then, [1] DVD-SL disc, [2] CD disc, and [3] DVD-DL (Parallel) disc are adjusted in this order. Each time one disc was adjusted, it is ejected, and therefore exchange the disc following the message. You can exit the adjustment by pressing the [■] button. In adjusting each disc, the mirror time is measured to check the disc type. In the auto adjustment, whether the disc type is correct is not checked unlike conventional models, and accordingly, take care not to insert a different type of disc.

Set Disc
1: DVD-SL (TDV-520CS0 or HLX-503 or HLX-504)
2: CD (LUV-P01 or YEDS-18 or PATD-012)
3: DVD-DL (HLX-501 or HLX-505)

### 1-1. DVD Single Layer Disc

Select [1], insert DVD single layer disc, and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the SL disc is set on the disc tray.

#### DVD Single Layer Disc Adjustment Steps

1. Sled Reset
2. Set Disc Type SL
3. Laser Diode (DVD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Tracking Off
13. Tracking Error Level Adjust 2nd
14. Tracking Error Offset Adjust 2nd
15. Tracking ON
16. Auto Focus Gain Adjust L0
17. Auto Tracking Gain Adjust L0
18. Sled ON
19. CLV ON
20. Auto Focus Balance Adjust L0
21. Auto RFEQ Boost Adjust L0
22. Jitter measure
23. Search Check
24. All Servo Off

### 1-2. CD Disc

Select [2], insert CD disc, and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the CD is set on the disc tray.

#### CD Adjustment Steps

1. Sled Reset
2. Set Disc Type CD
3. Laser Diode (CD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Auto Focus Gain Adjust
13. Auto Tracking Gain Adjust
14. Sled ON
15. CLV ON
16. Auto Focus Balance Adjust
17. Auto RFEQ Boost Adjust
18. Jitter measure
19. Search Check
20. All Servo Off

### 1-3. DVD Dual Layer Disc (Parallel)

Select [3], insert DVD dual layer disc, and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the DL disc is set on the disc tray.

#### DVD Dual Layer Disc Adjustment Steps

1. Sled Reset
2. Set Disc Type DL
3. Laser Diode (DVD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Tracking Off
13. Tracking Error Level Adjust 2nd
14. Tracking Error Offset Adjust 2nd
15. Tracking ON
16. Auto Focus Gain Adjust L0
17. Auto Tacking Gain Adjust L0
18. Sled ON
19. CLV ON
20. Auto Focus Balance Adjust L0
21. Auto RFEQ Boost Adjust L0
22. Jitter measure
23. Search Check
24. Focus Jump (L0 → L1)
25. Tracking Off
26. Tracking Error Level Adjust
27. Tracking Error Offset Adjust
28. Tracking ON
29. Auto Focus Gain Adjust L1
30. Auto Tracking Gain Adjust L1
31. Sled ON
32. CLV ON
33. Auto Focus Balance Adjust L1
34. Auto RFEQ Boost Adjust L1
35. Search Check
36. All Servo Off

### 1-4. ALL (DL: Opposite)

Select [4] and press the [ENTER] key. Then, [1] DVD-SL disc, [2] CD disc, and [5] DVD-DL (Opposite) disc are adjusted in this order. Each time one disc was adjusted, it is ejected, and therefore exchange the disc following the message. You can exit the adjustment by pressing the [■] button. In adjusting each disc, the mirror time is measured to check the disc type. In the auto adjustment, whether the disc type is correct is not checked unlike conventional models, and accordingly, take care not to insert a different type of disc.

Set Disc
1: DVD-SL (TDV-520CS0 or HLX-503 or HLX-504)
2: CD (LUV-P01 or YEDS-18 or PATD-012)
3: DVD-DL (TDV-540C only)

### 1-5. DVD Dual Layer Disc (Opposite)

**Note:** Make sure, using the TDV-540C in this adjustment.

Select [5], insert DVD dual layer disc (TDV-540C), and press [ENTER] key, and the adjustment will be made through the following steps, then adjusted values will be written to the flash memory. If there is no disc on the disc tray, the tray will be open to wait for closing. If there is a disc on the disc tray, the adjustment starts immediately. If you put a disc prior to adjustment, confirm that the DL disc is set on the disc tray.

#### DVD Dual Layer Disc Adjustment Steps

1. Sled Reset
2. Set Disc Type DL
3. Laser Diode (DVD) ON
4. Focus Error Check
5. Focus ON
6. Spindle Start
7. Tracking Error Level Adjust
8. Tracking Error Offset Adjust
9. Tracking ON
10. RF Level Adjustment
11. Spindle Calibration
12. Tracking Off
13. Tracking Error Level Adjust 2nd
14. Tracking Error Offset Adjust 2nd
15. Tracking ON
16. Auto Focus Gain Adjust L0
17. Auto Tacking Gain Adjust L0
18. Sled ON
19. CLV ON
20. Auto Focus Balance Adjust L0
21. Auto RFEQ Boost Adjust L0
22. Jitter measure
23. Search Check
24. Focus Jump (L0 → L1)
25. Tracking Off
26. Tracking Error Level Adjust
27. Tracking Error Offset Adjust
28. Tracking ON
29. Auto Focus Gain Adjust L1
30. Auto Tracking Gain Adjust L1
31. Sled ON
32. CLV ON
33. Auto Focus Balance Adjust L1
34. Auto RFEQ Boost Adjust L1
35. Search Check
36. All Servo Off

### 2. Drive Manual Operation

On the Test Mode Menu screen, select [2], and the manual operation menu will be displayed. For the manual operation, each servo on/off control and adjustment can be executed manually.

```
  ## Drive Manual Operation ##


2. Operation Commands
3. Servo Control
4. Track/Layer Jump

6. Memory Check
7. Changer Manual Move
8. Changer Mecha Check
                     Exit: RETURN
Model   :DVP-NS9100ES
Revision:xxx xxx
```

Basic operation (controllable from front panel or remote commander)

[I/⏻] : Power OFF
[■] : Servo stop
[⏏] : Stop+Eject/Loading
[↩] (RETURN) : Return to Operation Menu or Test Mode Menu
[▶▶|] , [|◀◀] : Transition between sub modes of menu
[1] to [9], [0] : Selection of menu and items
Cursor [↑]/[↓] : Increase/Decrease in manually adjusted value

### 2-2. Operation Commands

```
 ### Drive Manual Operation ###
2. Operation Commands

 1. Search Disc (DVD Priority)
 2. Search Disc (CD Priority)
 3. PLAY
 4. Pause
 5. Stop




                     Exit: RETURN
```

[1] Serch Disc (DVD Priority) : DVD SDISC (F/E command) is performed by priority.
[2] Serch Disc (CD Priority) : CD SDISC (F/E command) is performed by priority.
[3] PLAY : Playback the current disc (DVD/CD). Start address is DVD = 0x030000 or CD = 00:00:00.
[4] Pause : Pause
[5] Stop : Stop

### 2-3. Servo Control

```
 ### Drive Manual Operation ###
3. Servo Control
 1. LD DVD      Off/On
 2. LD CD       Off/On
 3. Focus       Off/On
 4. Spindle     Off/On
 5. Track       Off/On
 6. Sled        Off/On

 8. Focus Ramp


                    Exit: RETURN
```

On this screen, the servo on/off control necessary for replay is executed. Normally, turn on each servo from 1 sequentially and when CLVA is turned on, the usual trace mode becomes active. In the trace mode, DVD sector address or CD time code is displayed. This is not displayed where the spindle is not locked.
The spindle could run overriding the control if the spindle system is faulty or RF is not present. In such a case, do not operate CLVA.

[1] LD DVD : Turn on/off the laser for DVD.
[2] LD CD : Turn on/off the laser for CD.
[3] Focus : Turn on/off the focus servo.
[4] Spindle : Turn on/off the spindle servo.
[5] Track : Turn on/off the tracking servo.
[6] Sled : Turn on/off the sled servo.
[8] Focus Ramp : In the laser diode on and focus servo off status, repeat the focus up/down.

### 2-4. Track/Layer Jump

```
4. Track/Layer Jump
 1. 1Tj         FWD
 2. 1Tj         REV
 3. 200Tj       FWD
 4. 200Tj       REV
 5. 2kTj        FWD
 6. 2kTj        REV
 9. Lj (L1->L0)
 0. Lj (L0->L1)


                    Exit: RETURN
```

On this screen, track jump, etc. can be performed. Only for the DVD-DL, the focus jump and layer jump are displayed in the right field.

[1] 1Tj FWD : 1-track jump forward.
[2] 1Tj REV : 1-track jump reverse.
[3] 200Tj FWD : 200-track jump forward.
[4] 200Tj REV : 200-track jump reverse.
[5] 2kTj FWD : 2k-track jump forward.
[6] 2kTj REV : 2k-track jump reverse.
[9] Lj (L1->L0) : Layer jump.
[0] Lj (L0->L1) : Layer jump.

### 2-6. Memory Check

The display image is shown below and three screens in total can be selected.

```
6. Memory Check Flash Data 1
              CD   SL   L0   L1
 An.Off A     xx   xx   xx   xx
 An.Off B     xx   xx   xx   xx
 An.Off C     xx   xx   xx   xx
 An.Off D     xx   xx   xx   xx
 An.Off E     xx   xx   xx   xx
 An.Off F     xx   xx   xx   xx
 An.G.Main    xx   xx   xx   xx
 An.G.Side    xx   xx   xx   xx
 RF level     xx   xx   xx   xx
 FE S level   xx   xx   xx   xx
Down:NextPage         Exit:RETURN
```

```
6. Memory Check Flash Data 2
              CD   SL   L0   L1
 TE Level     xx   xx   xx   xx
 TE Offset    xx   xx   xx   xx
 FCS Gain     xx   xx   xx   xx
 TRK Gain     xx   xx   xx   xx
 FCS Bal.1    xx   xx   xx   xx
 FCS Bal.2    xx   xx   xx   xx
 RFEQ 1       xx   xx   xx   xx
 RFEQ 2       xx   xx   xx   xx
 VTS2         xx   xx   xx   xx
 Jitter       xx   xx   xx   xx
Up/Dn:Prev/NextPage  Exit:RETURN
```

```
6. Memory Check Flash Data 3
              CD   SL   L0   L1
 VTS1         xx   xx   xx   xx









Up:PrevPage           Exit:RETURN
```

### 2-7. Changer Manual Move

On this test mode screen, selecting [7] enables the machine operation such as disc loading. The following screen appears.

Display when [7] is selected in the Drive Manual Operation

```
### Changer Manual Move ###
 ENTER  : Mecha Initial
 PLAY   : Loading In
 STOP   : Loading Out
 OP/CL  : Door Open/Close
 UP     : Poper Up
 DOWN   : Poper Down
 jogFOR : Table R StepTurn
 jogPRV : Table L StepTurn
 DISP   : Sensor Status


RETURN : Exit
```

[ENTER] : Performs initialization of mechanism deck.
Mecha Initial Because the mechanical initialization is performed when the machine enters the Drive Manual Operation mode, use this item when an error such as adjustment error occurs.

[PLAY] : Not used in this set.
Loading In

[STOP] : Not used in this set.
Loading Out

[OP/CL] : Opens and closes the door.
Door Open/Close
([⏏] key)

[UP] : Not used in this set.
Poper Up

[DOWN] : Not used in this set.
Poper Down

[jog FOR] : Not used in this set.
Table R step Turn

[jog PRV] : Not used in this set.
Table L step Turn

[DISP] : Not used in this set.
Sensor Status

### 2-8. Changer Mecha Check

Not used in this set.

### 3. Mecha Aging

The mechanism aging is not supported.

### 4. Emergency History

```
      ### EMG. History ###

Laser Hours
            CD          xxh xxm
            DVD         xxh xxm

01.00 00 00 00    00 00 00 00
   00 00 00 00    00 00 00 00
02.00 00 00 00    00 00 00 00
   00 00 00 00    00 00 00 00

Select : 1-9   Scroll : UP/DOWN
(1: Last EMG.)   Exit : RETURN
```

On the Test Mode Menu screen, selecting [4] displays the information such as servo emergency history. The history information from last "1" up to "10" can be scrolled with [↑] key or [↓] key. Also, specific information can be displayed by directly entering that number with the ten-key pad from [1] to [9].
The upper two lines display the laser ON total hours. Data below minutes are omitted.

#### Clearing History Information

◎ Clearing laser hours
Press [TOP MENU] and [CLEAR] keys in this order.
Both CD and DVD data are cleared.
◎ Clearing emergency history
Press [DISPLAY] and [CLEAR] keys in this order.
◎ Initializing setup data
Press [MENU] and [CLEAR] keys in this order.
The data have been initialized when "Set Up Initialized" message is displayed.
The EMG. History display screen will be restored soon.

### 5. Version Information

```
   ### Version Information ###

IF con     Ver:x.xxx(xxxx)

B/E        Ver:xxx xxx

F/E        Ver:xx


       Model    :DVP-NS9100ES(x)
       Region   :xxx(x)

Exit : RETURN
```

IF con : IC404 on the MAIN board
B/E : IC256 on the MAIN board
F/E : IC105 on the MAIN board

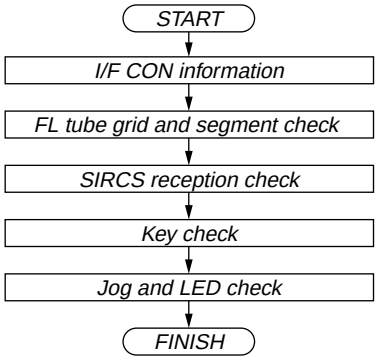
### 6. Video Level Adjustment

On the Test Mode Menu screen, selecting [6] displays color bars for video level adjustment. During display of color bars, OSD disappears but the menu screen will be restored if pressing the [RETURN] key.

## DISPLAY SECTION

### DISPLAY TEST MODE

Execute the Self Check Mode along the following flow.




#### 1. Entering the Display Test Mode

The Display Test mode starts if either of the following conditions is satisfied.

**Condition 1:**

With the SELF_CHECK (pin ⑨⑦) of the IF CON (IC404) on the MAIN board kept "low", turn the power on.

**Condition 2:**

While pressing the ■ key on the set when the set is in standby state, press the RETURN → DISPLAY key on the remote commander and the mode transits to the Self Check mode.

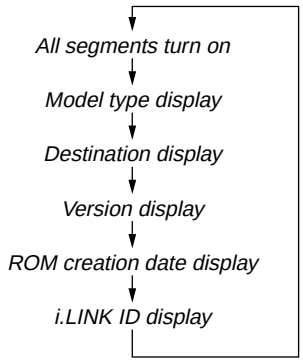
When the Self Check mode started, "TEST START" is displayed on the FL tube for 2 seconds and then the Self Check proceeds to the IF CON information display.

#### 2. Releasing the Display Test Mode

To release the Self Check mode, disconnect the AC plug.

#### 3. IF CON Information Display

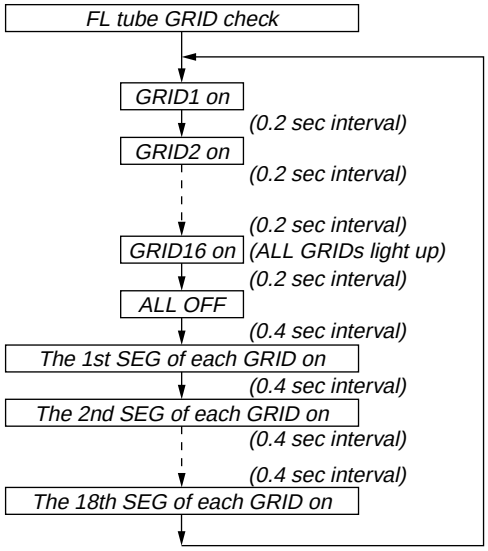
When enter this mode, it displays as follows.




If the ■ button is pressed, the test proceeds to the following FL tube GRID and SEGMENT check.

#### 4. FL Tube Grid and Segment Check

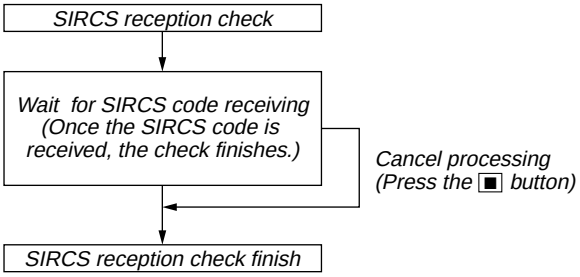
First, a grid lights up one after another, and when grid 16 lights up, all grids light up.
Next, all grids go off, and segments are displayed while changing the patterns.
A way of this display is repeated.
(The interval of grid lighting is 0.2 second, and that of segment lighting is 0.4 second.)




If the ■ button is pressed, the test proceeds to the following SIRCS reception check.

#### 5. SIRCS Reception Check

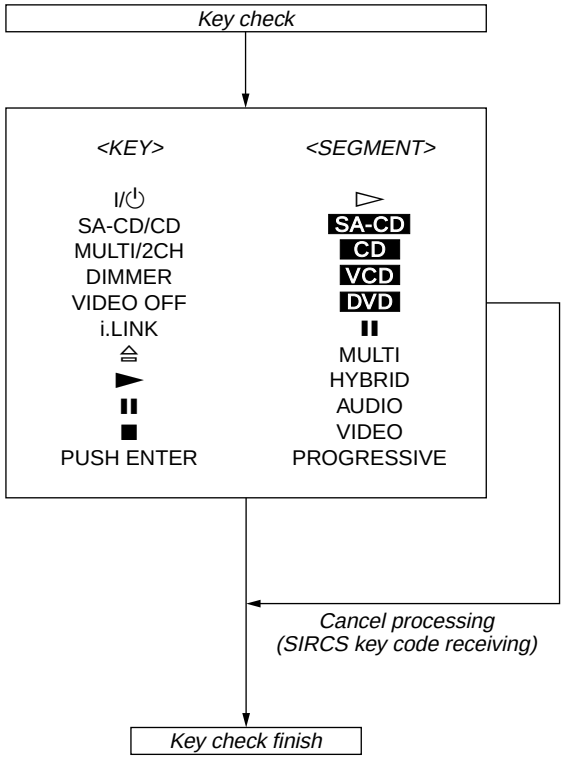
Upon start of the SIRCS reception check, "SIRCS CHECK" is displayed on the FL tube.
Once the SIRCS key code is received, the test proceeds to the following Key check.




If the ■ button is pressed as a cancel processing of the SIRCS reception check, the test proceeds to the following Key check.

### 6. Key Check

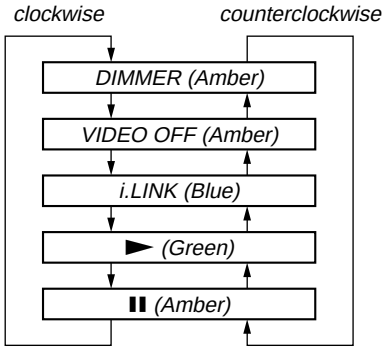
After the SIRCS reception check finished, the Key check is executed.
Upon start of the Key check, "KEY CHECK" is displayed on the FL tube.
11 keys are checked as described below.
Each time a key is pressed, the specified segment lights up, and at one second after all keys were pressed, all of FL tube go off and the Key check finishes.




If the SIRCS key code is received as a cancel processing of the Key check, the test proceeds to the following Jog and LED check.

### 7. Jog and LED Check

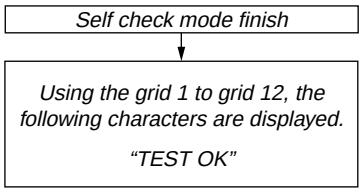
After the Key check finished, the Jog and LED check is executed as follows.
Upon start of the Jog and LED check, "JOG AND LED" is displayed on the FL tube.
There are six LEDs. The order in which the LEDs light up when the [I◄◄ ►►I] knob is turned as described below.




If the [■] button is pressed during the Jog and LED check, the Jog and LED check finishes and it displays result of the Display Test mode. (See next item)

### 8. Display Test Mode Result Indication

After the Jog and LED check finished, it displays result of Display Test mode.
At this time, even if a signal from a key on the set or remote commander is received, nothing changes.




At the SIRCS reception check, Key check, Jog and LED check, if you proceed to the next check without completing current check, the check name that has not completed yet is displayed instead of "TEST OK", as follows.

| | |
|---|---|
| If SIRCS reception check has not completed (If JOG dial is pressed during SIRCS reception check) | "SIRCS NG" |
| If KEY check has not completed (If SIRCS key code is received during KEY check) | "KEY NG" |
| If JOG and LED check has not completed (If JOG dial is pressed without rotating JOG dial even once during JOG and LED check) | "JOG LED NG" |

Also, if two or more checks have not completed yet

| | |
|---|---|
| All three checks are erroneous | "SI KY JO NG" |
| Two checks are erroneous | "SI JO NG"<br>"SI KY NG"<br>" KY JO NG" |

Each error is displayed at the fixed position of the FL tube (not left aligned), and the items that have completed are blank.

**Note:** The alphabets mentioned above denote the following checks.
SI : SIRCS reception check
KY : Key check
JO : Jog and LED check
NG : There are error items.

# SECTION 6
# ELECTRICAL ADJUSTMENTS

**Instruments required:**

1) Color monitor
2) Oscilloscope 1 or 2 phenomena, band width over 100 MHz, with delay mode
3) Remote commander
   RM-ASP003 (US, Canadian, Korean, Chinese)
   RM-ASP004 (AEP, UK, Russian)
4) CD reference disc
   YEDS-18 (3-702-101-01)
   PATD-012 (4-225-203-01)
5) DVD reference disc
   HLX-501 (J-6090-071-A) (dual layer) (NTSC)
   HLX-503 (J-6090-069-A) (single layer) (NTSC)
   HLX-504 (J-6090-088-A) (single layer) (NTSC)
   HLX-505 (J-6090-089-A) (dual layer) (NTSC)
   **Note:** Use the NTSC test disc also for PAL model.
6) SA-CD reference disc
   HLXA-509 (J-6090-090-A)
7) Extension Cable (J-2501-086-A)

## 6-1. AUTO SERVO ADJUSTMENT

After parts related to the servo circuit (DVD interface (IC105), CPU (IC256), motor driver (IC103), flash memory (IC253) so on) are replaced, re-adjusting the servo circuit is necessary. Select “ALL” at “Drive Auto Adjustment” (Refer to page 17 in TEST MODE) and adjust DVD-SL (single layer), CD and DVD-DL (dual layer).

## 6-2. ADJUSTMENT OF VIDEO SYSTEM

### 6-2-1. Video Level Adjustment

**<Purpose>**

This adjustment is made to satisfy the NTSC/PAL standard, and if not adjusted correctly, the brightness will be too large or small.

| Mode | Video level adjustment in test mode |
|---|---|
| Signal | Color bars |
| Check point | VIDEO OUT connector (J502)<br>(75 Ω terminated) |
| Instrument | Oscilloscope |
| Adjusting element | RV601 |
| Specification | $1.0\ ^{+0.04}_{-0.02}$ Vp-p |

**Adjusting method:**

1) In the Test Mode Menu, select the “6. Video Level Adjustment” so that color bars are generated.
2) Adjust the RV601 to attain $1.0\ ^{+0.04}_{-0.02}$ Vp-p.

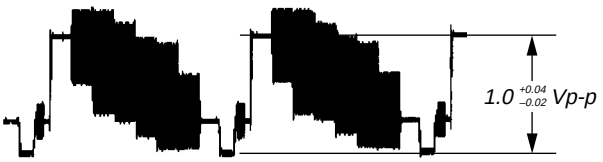



*Fig. 6-1*

### 6-2-2. Progressive Video Output Level Adjustment

**<Purpose>**

This adjusts progressive video output level. If it is incorrect, correct brightness will not be attained when connected to, for instance, projector.

| Mode | Video level adjustment in test mode |
|---|---|
| Signal | Color bars |
| Check point | COMPONENT VIDEO OUT (Y)<br>connector (J620) (75 Ω terminated) |
| Instrument | Oscilloscope |
| Adjusting element | RV600 |
| Specification | $1.0\ ^{+0.04}_{-0.02}$ Vp-p |

**Adjusting method:**

1) In the Test Mode Menu, select the “6. Video Level Adjustment” so that color bars are generated.
2) Adjust the RV600 to attain $1.0\ ^{+0.04}_{-0.02}$ Vp-p.

*Fig. 6-2*

### 6-2-3. Checking S Video Output S-Y

**<Purpose>**

Check S-terminal video output. If it is incorrect, pictures will not be displayed correctly in spite of connection to the monitor with a S-terminal cable.

| Mode | Video level adjustment in test mode |
|---|---|
| Signal | Color bars |
| Check point | S VIDEO OUT (S-Y) connector (J501)<br>(75 Ω terminated) |
| Instrument | Oscilloscope |
| Specification | 1.0 ± 0.05 Vp-p |

**Checking method:**

1) In the Test Mode Menu, select the “6. Video Level Adjustment” so that color bars are generated.
2) Confirm that the S-Y level is 1.0 ± 0.05 Vp-p.

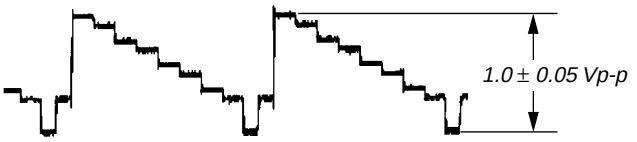



*Fig. 6-3*

### 6-2-4. Checking S Video Output S-C

**<Purpose>**

This checks whether the S-C satisfies the NTSC/PAL standard. If it is not correct, the colors will be to dark or light.

| Mode | Video level adjustment in test mode |
|---|---|
| Signal | Color bars |
| Check point | S VIDEO OUT (S-C) connector (J501) (75 Ω terminated) |
| Instrument | Oscilloscope |
| Specification | A = 286 ± 30 mVp-p (NTSC)<br>A = 300 ± 100 mVp-p (PAL) |

**Checking method:**

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the S-C burst is "A".

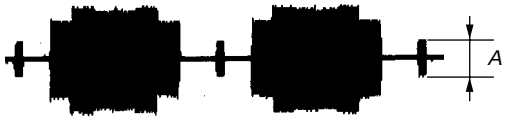



*Fig. 6-4*

### 6-2-5. Checking Component Video Output Y

**<Purpose>**

This checks component video output Y. If it is incorrect, correct brightness will not be attained when connected to, for instance, projector.

| Mode | Video level adjustment in test mode |
|---|---|
| Signal | Color bars |
| Check point | COMPONENT VIDEO OUT (Y) connector (J620) (75 Ω terminated) |
| Instrument | Oscilloscope |
| Specification | 1.0 ± 0.05 Vp-p |

**Checking method:**

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the Y level is 1.0 ± 0.05 Vp-p.

*Fig. 6-5*

### 6-2-6. Checking Component Video Output B-Y

**<Purpose>**

This checks component video output B-Y. If it is incorrect, correct colors will not be displayed when connected to, for instance, projector.

| Mode | Video level adjustment in test mode |
|---|---|
| Signal | Color bars |
| Check point | COMPONENT VIDEO OUT ($P_B/C_B$) connector (J660) (75 Ω terminated) |
| Instrument | Oscilloscope |
| Specification | 700 ± 50 mVp-p |

**Checking method:**

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the B-Y level is 700 ± 50 mVp-p.

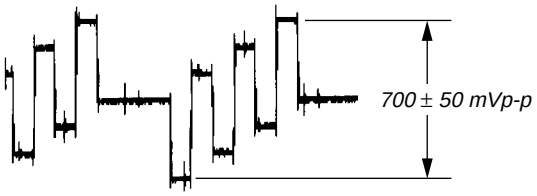



*Fig. 6-6*

### 6-2-7. Checking Component Video Output R-Y

**<Purpose>**

This checks component video output R-Y. If it is incorrect, correct colors will not be displayed when connected to, for instance, projector.

| Mode | Video level adjustment in test mode |
|---|---|
| Signal | Color bars |
| Check point | COMPONENT VIDEO OUT ($P_R/C_R$) connector (J640) (75 Ω terminated) |
| Instrument | Oscilloscope |
| Specification | 700 ± 50 mVp-p |

**Checking method:**

1) In the Test Mode Menu, select the "6. Video Level Adjustment" so that color bars are generated.
2) Confirm that the R-Y level is 700 ± 50 mVp-p.

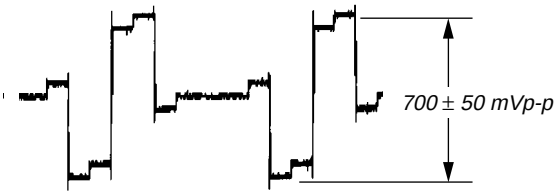
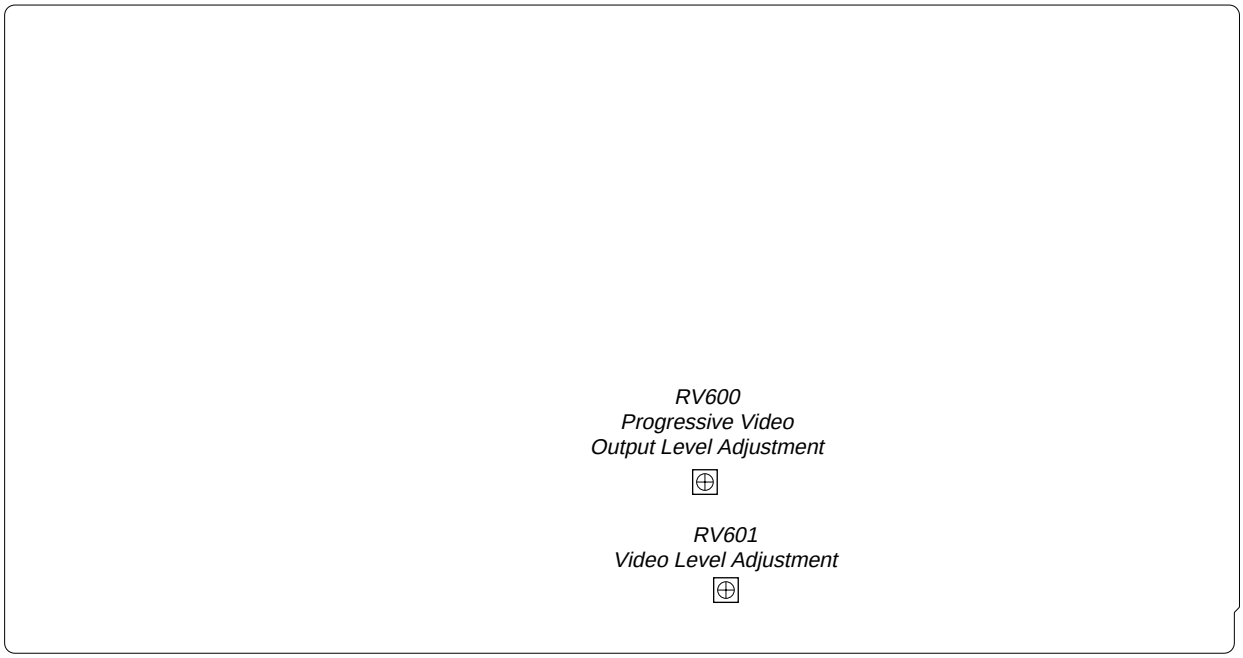



*Fig. 6-7*

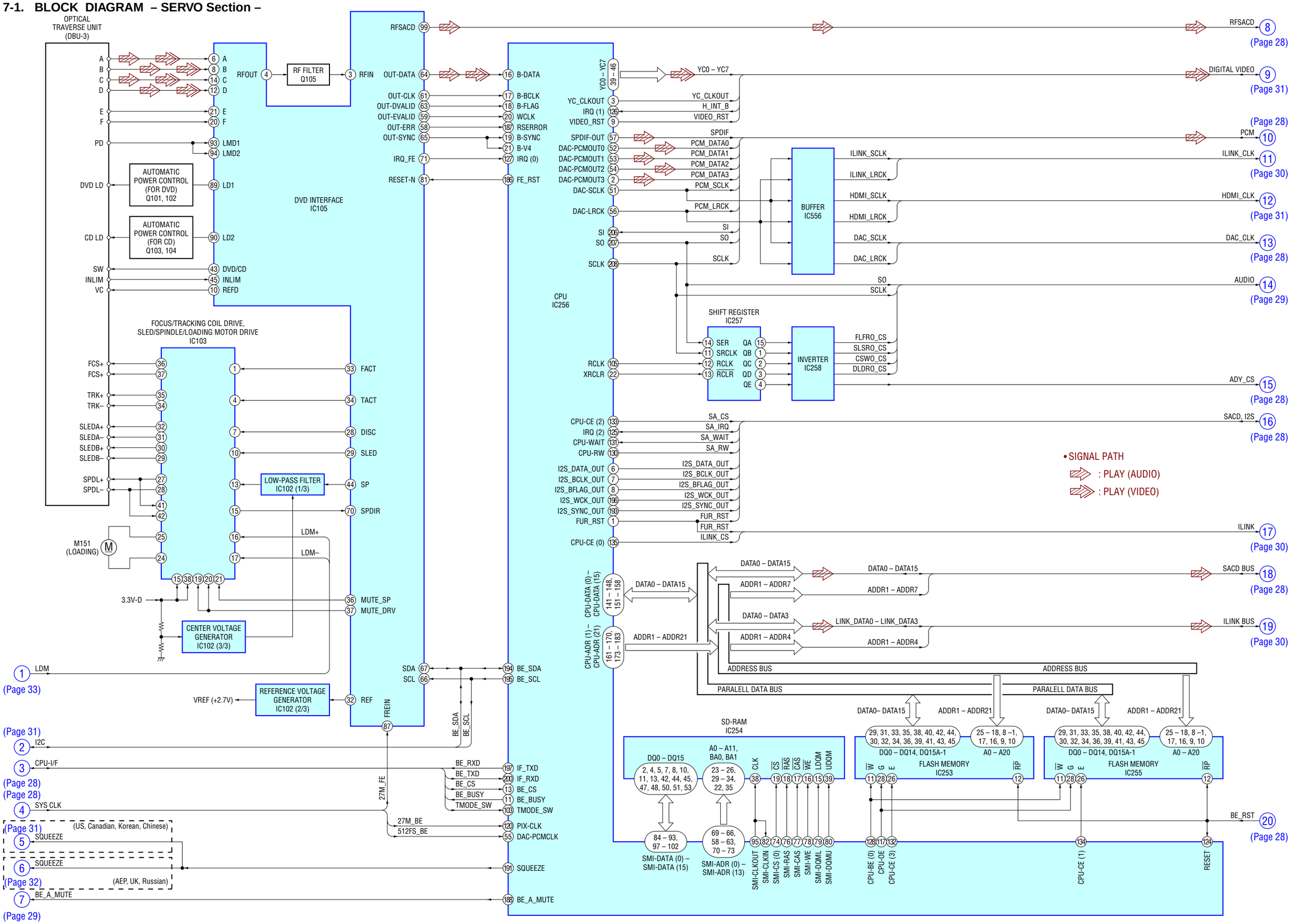
**Adjustment Location:**

**– MAIN Board (Component Side) –**

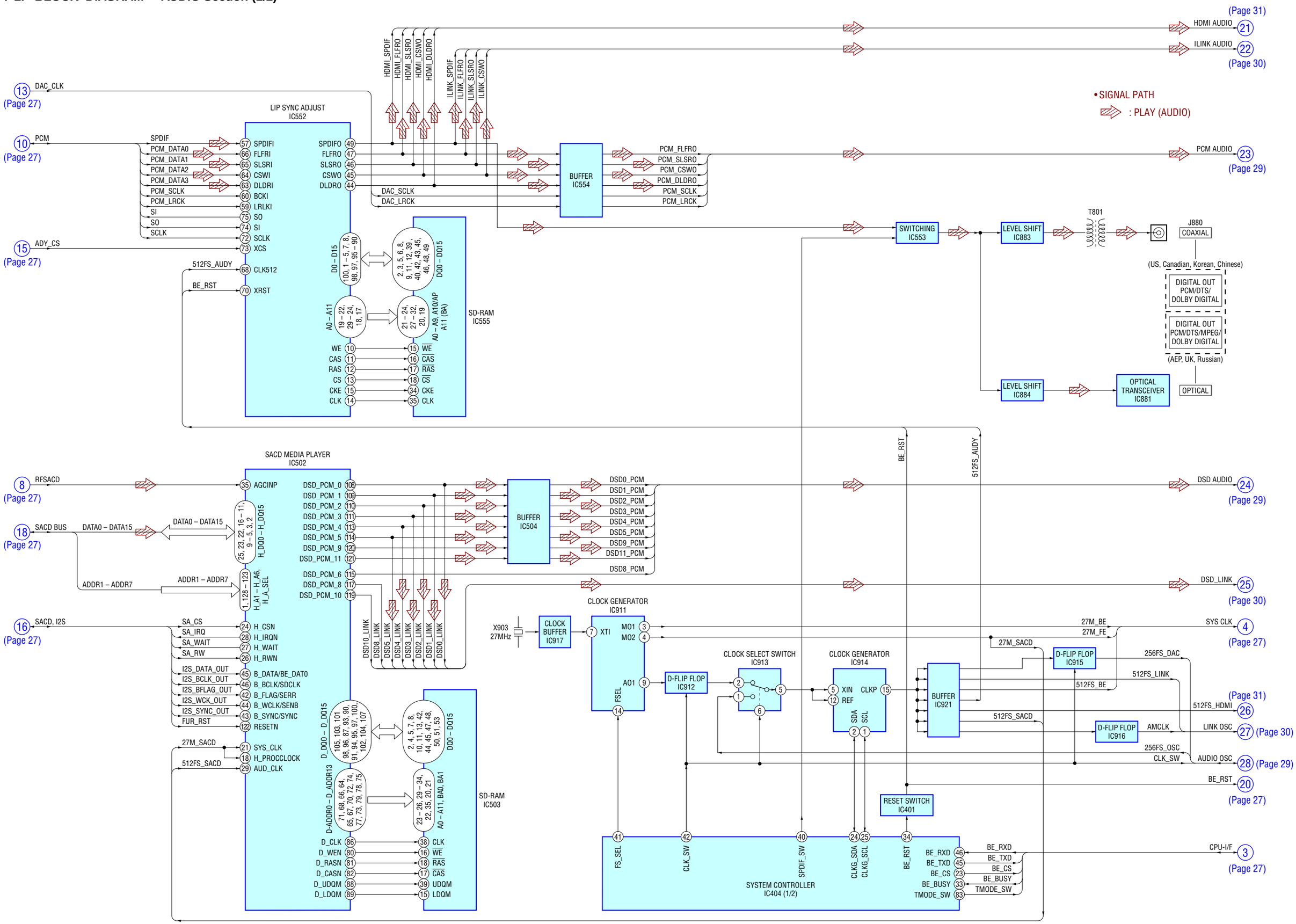


# SECTION 7
# DIAGRAMS

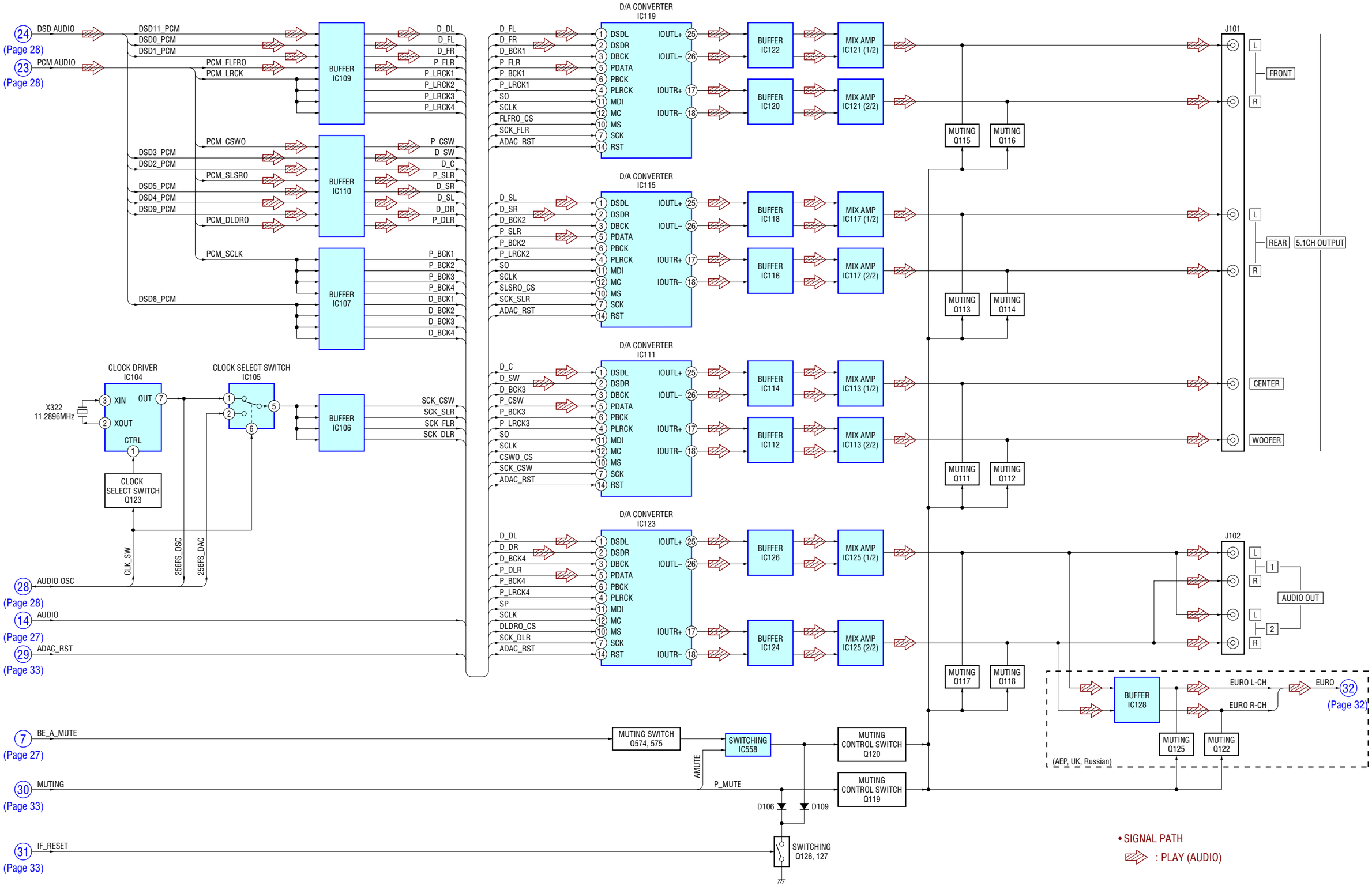
## 7-1. BLOCK DIAGRAM – SERVO Section –



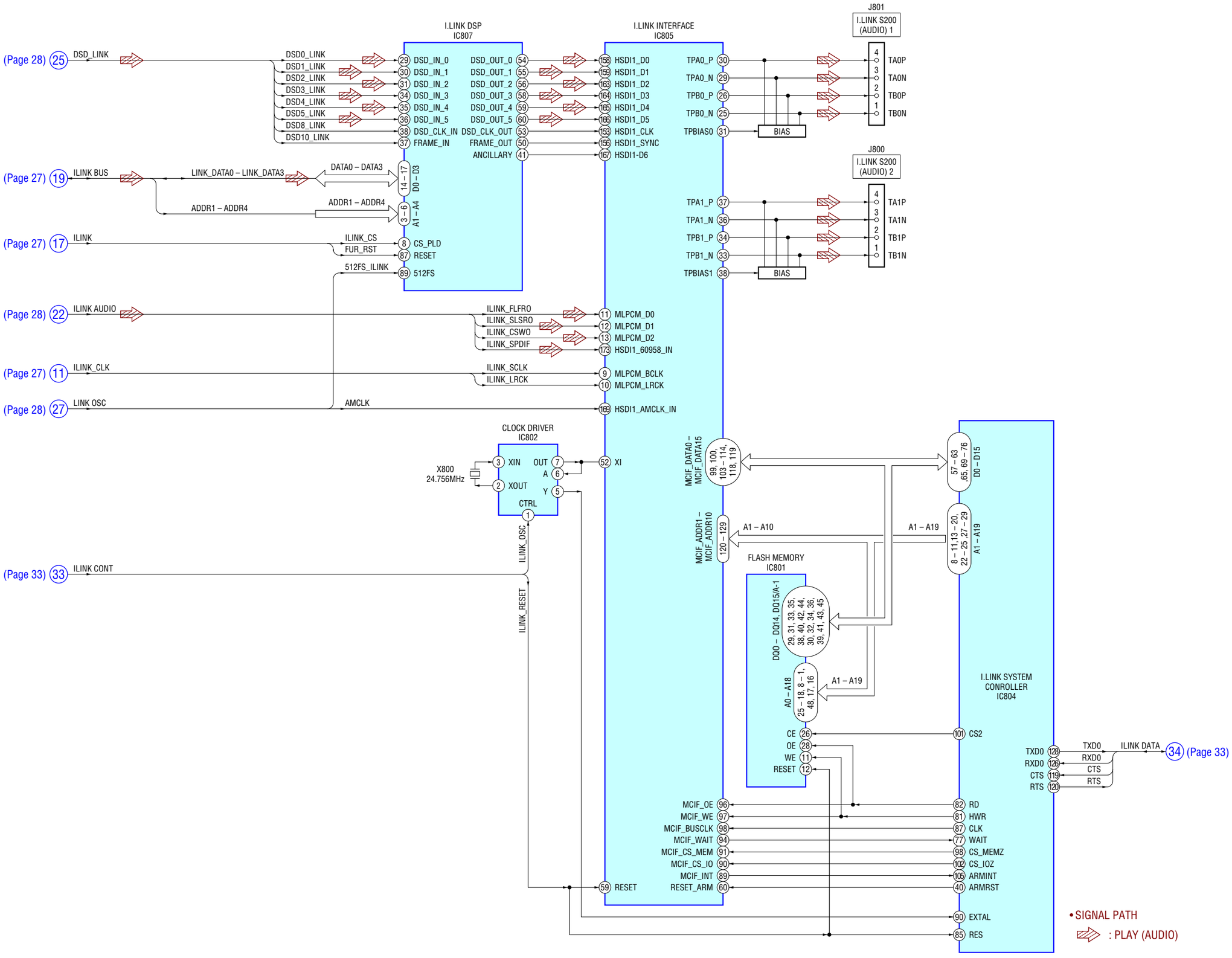
## 7-2. BLOCK DIAGRAM – AUDIO Section (1/2) –



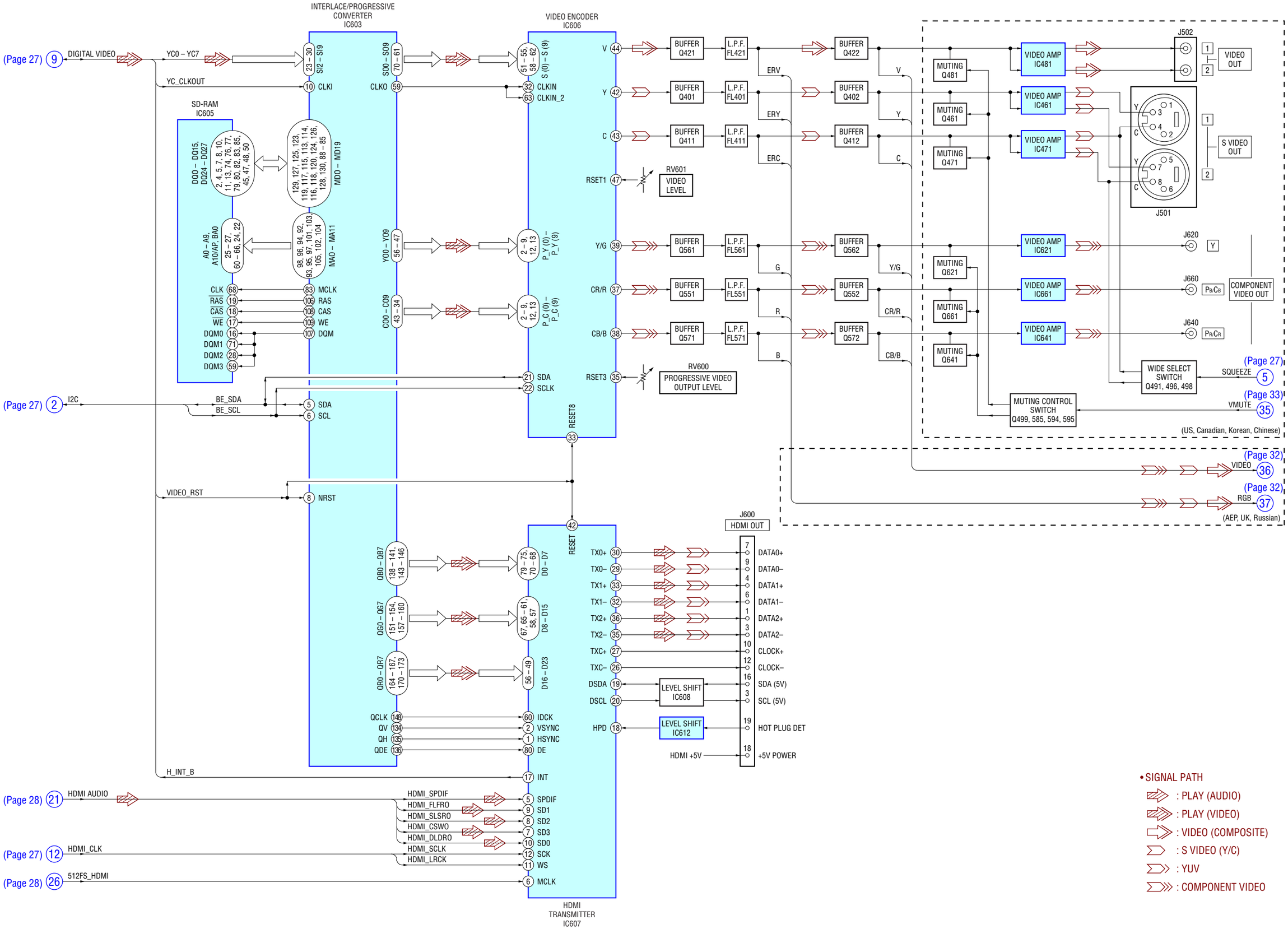
## 7-3. BLOCK DIAGRAM – AUDIO Section (2/2) –



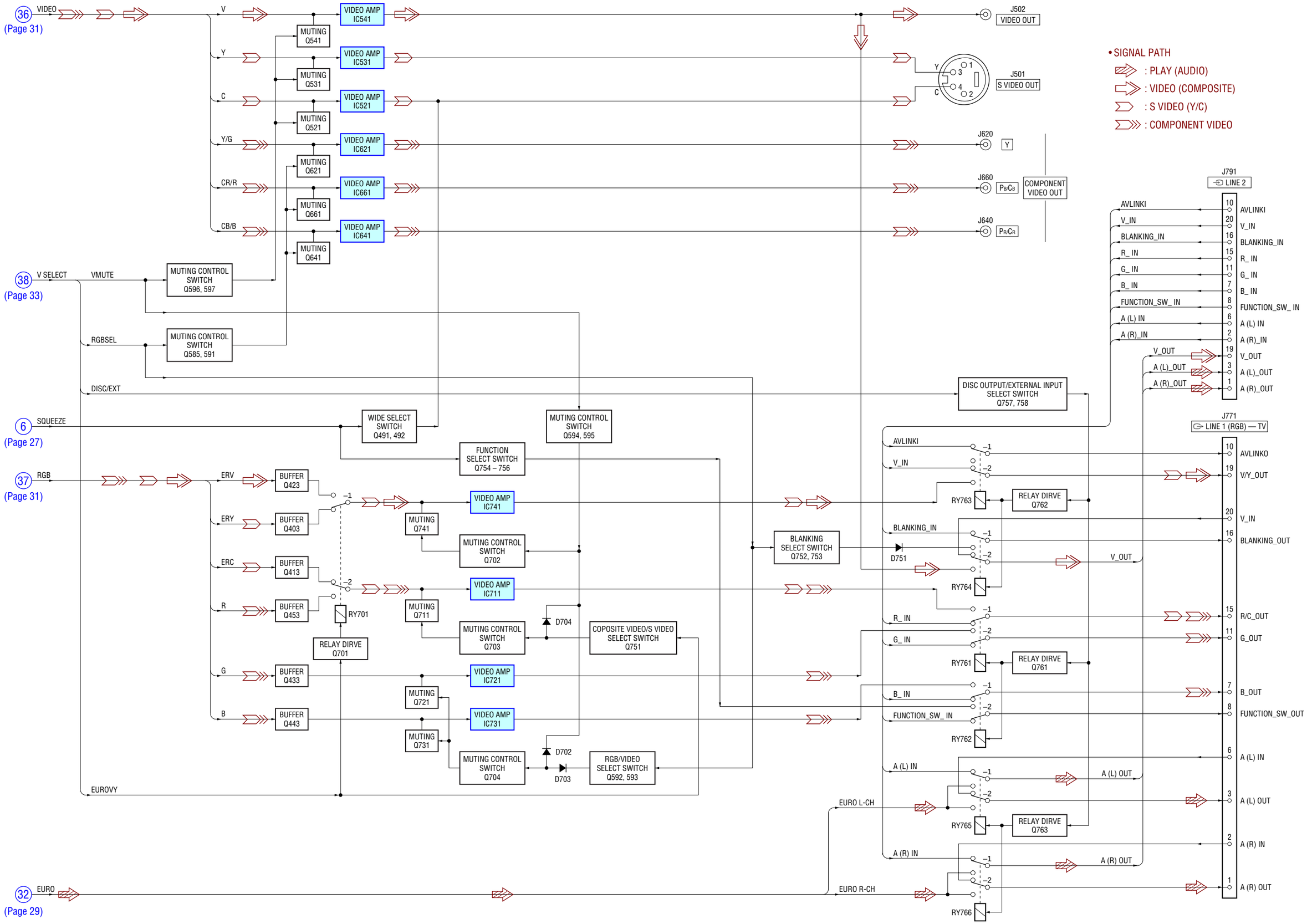
## 7-4. BLOCK DIAGRAM – I.LINK Section –



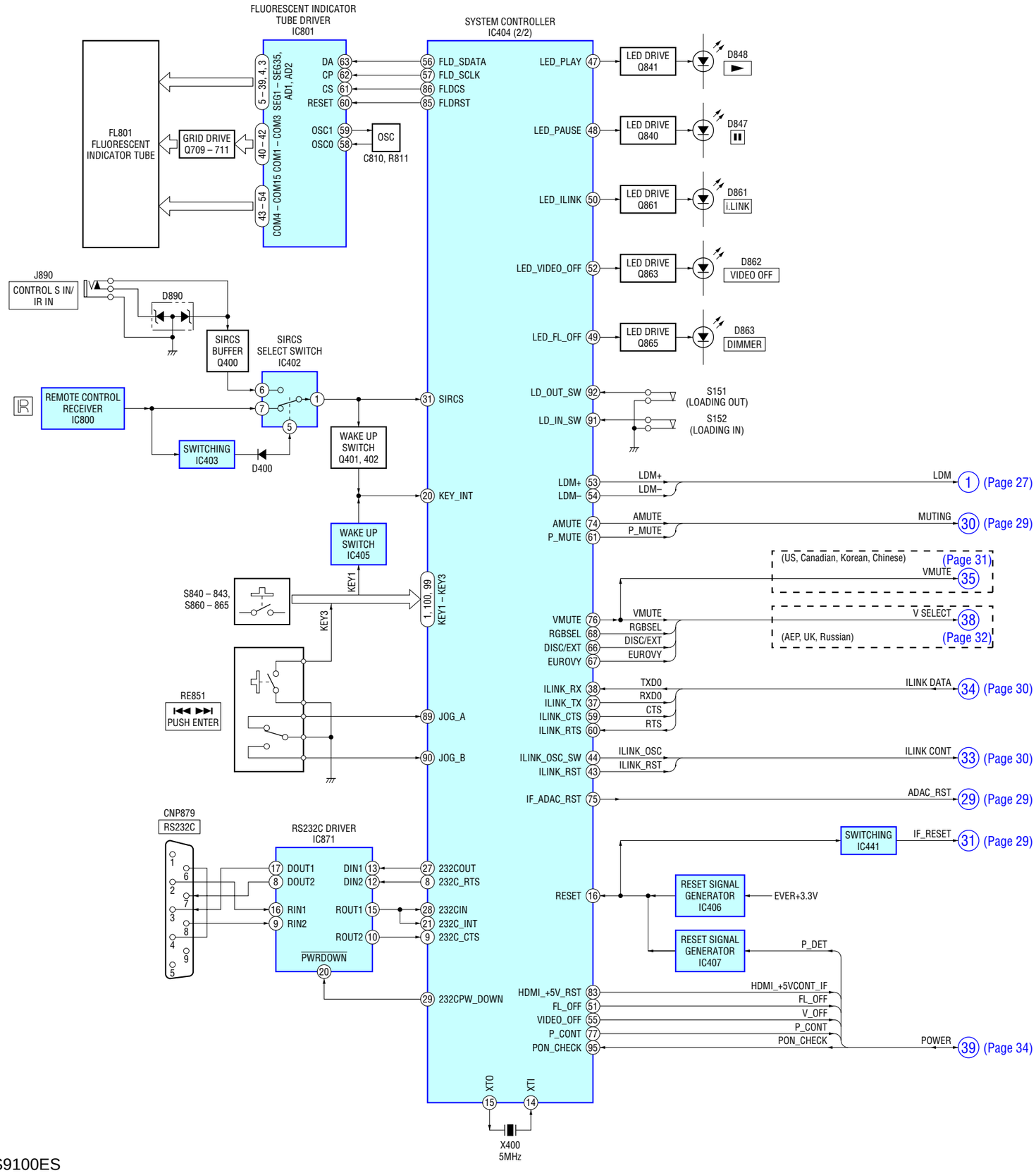
## 7-5. BLOCK DIAGRAM – VIDEO Section (1/2) –



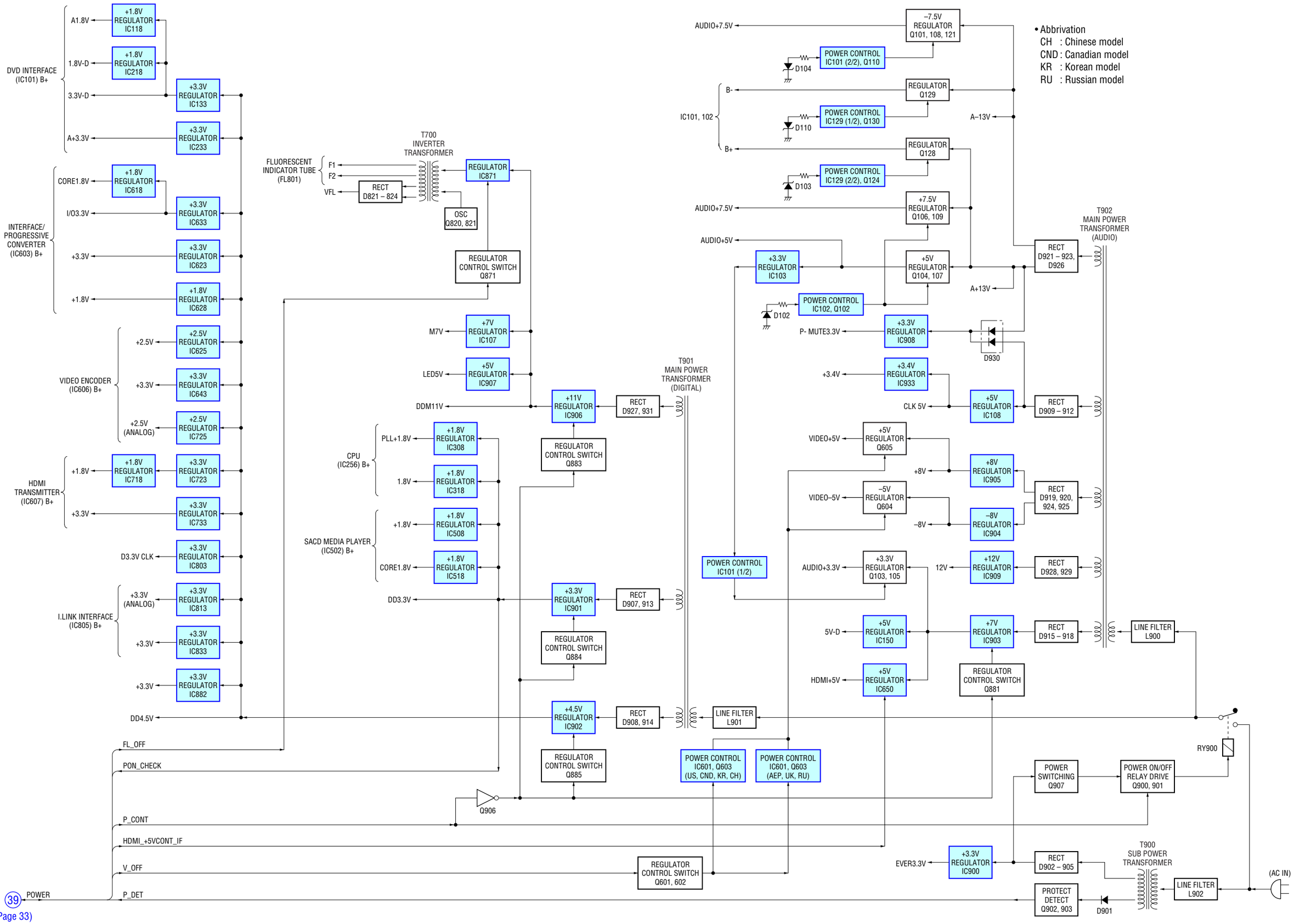
## 7-6. BLOCK DIAGRAM – VIDEO Section (2/2) – (AEP, UK, Russian models)



## 7-7. BLOCK DIAGRAM – PANEL Section –



## 7-8. BLOCK DIAGRAM – POWER SUPPLY Section –



## • Note For Printed Wiring Boards and Schematic Diagrams

**Note on Printed Wiring Board:**

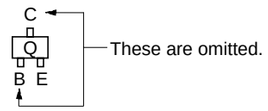
- ○——— : parts extracted from the component side.
- ——— : parts extracted from the conductor side.
- ⊡← : indicates side identified with part number.
- △ : internal component.
- ▬ : Pattern from the side which enables seeing.

(The other layers' patterns are not indicated.)

| Caution: | |
|---|---|
| Pattern face side: (Conductor Side) | Parts on the pattern face side seen from the pattern face are indicated. |
| Parts face side: (Component Side) | Parts on the parts face side seen from the parts face are indicated. |

| Caution: | |
|---|---|
| Pattern face side: (Side B) | Parts on the pattern face side seen from the pattern face are indicated. |
| Parts face side: (Side A) | Parts on the parts face side seen from the parts face are indicated. |

- MAIN board and AUDIO board are multi-layer printed boards. However, the patterns of intermediate-layer have not been included in this diagrams.
- Indication of transistor




**Note on Schematic Diagram:**

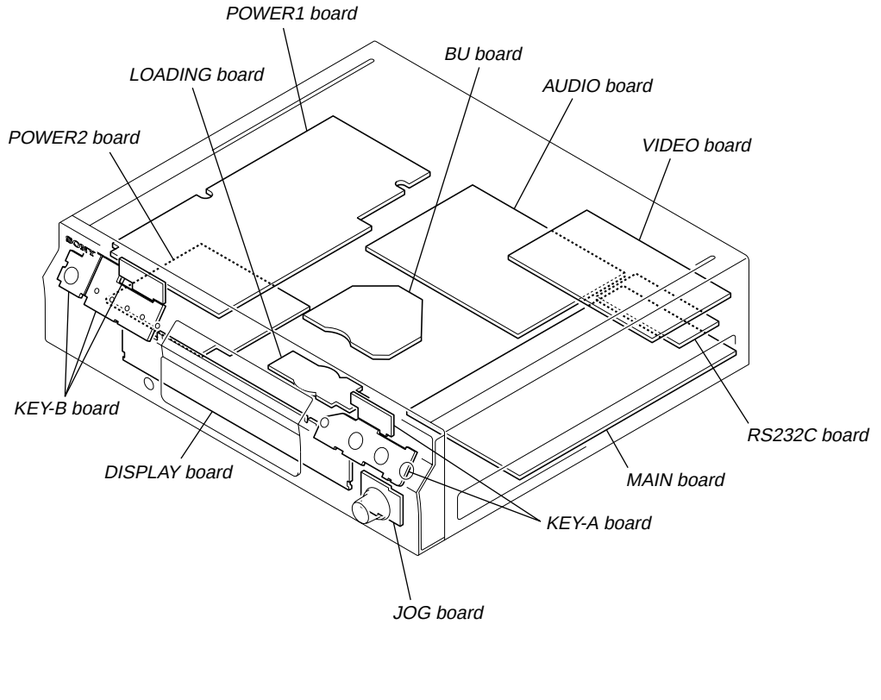
- All capacitors are in µF unless otherwise noted. (p: pF) 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- △ : internal component.
- : fusible resistor.
- ▭ : panel designation.

| **Note:** | **Note:** |
|---|---|
| The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified. | Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié. |

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

- ▬▬ : B+ Line.
- ▬ ▬ : B– Line.
- ▭ : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal conditions.
  no mark : DVD PLAY
  ( ) : SA-CD PLAY
  [ ] : CD PLAY
  〈〈 〉〉 : DVD PLAY (I.LINK ON)
  ＊ : Impossible to measure
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope. Voltage variations may be noted due to normal production tolerances.
- Circled numbers refer to waveforms.
- Signal path.
  ⇨ : PLAY (AUDIO)
  ⇛ : PLAY (VIDEO)
  ⇨ : VIDEO (COMPOSITE)
  : S VIDEO (Y/C)
  : YUV
  : COMPONENT VIDEO
- Abbreviation
  CH : Chinese model
  CND : Canadian model
  KR : Korean model
  RU : Russian model

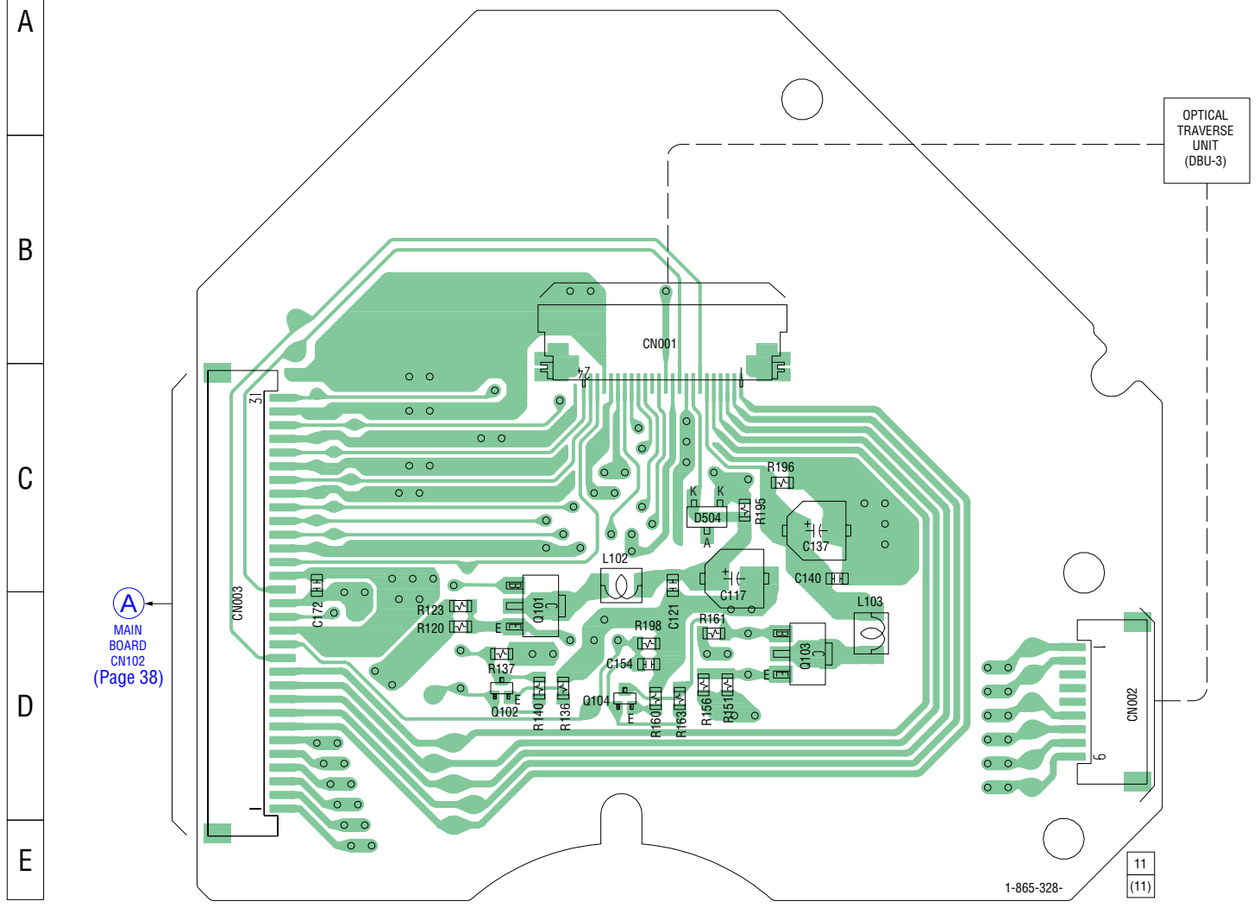
## • Circuit Boards Location



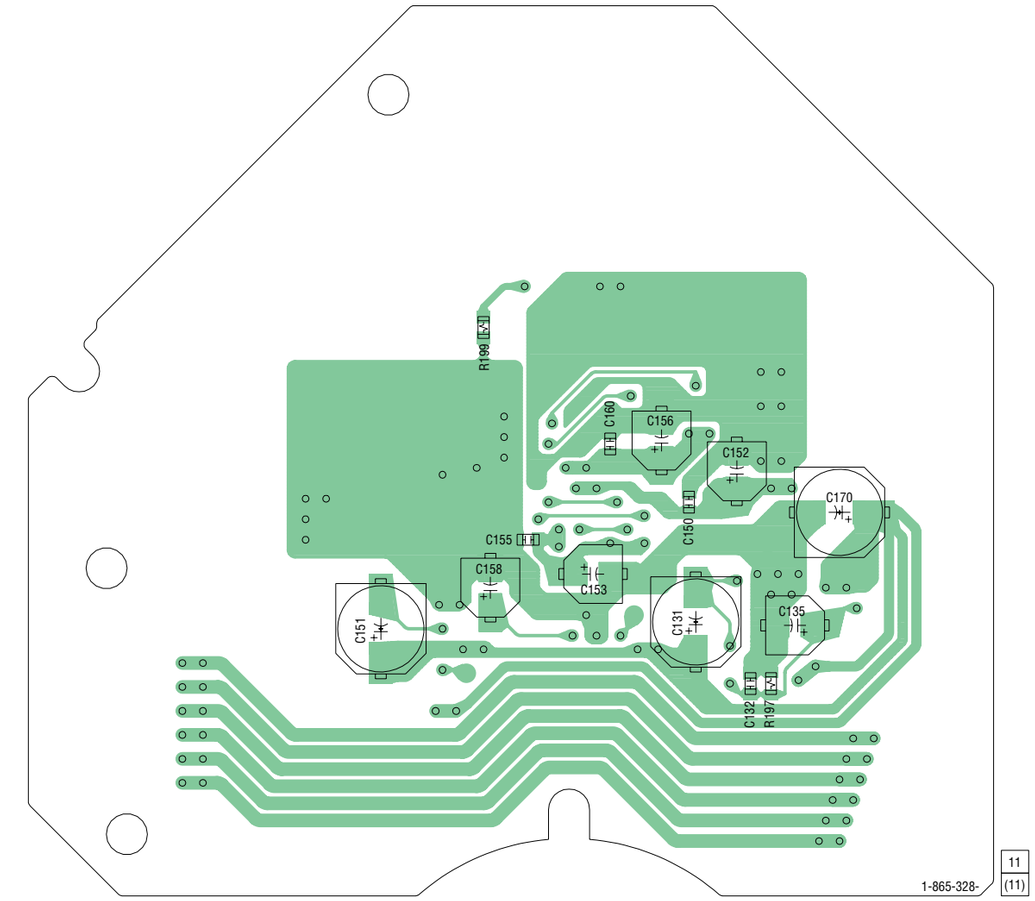
## 7-9. PRINTED WIRING BOARD – BU Board –

• See page 35 for Circuit Boards Location.  : Uses unleaded solder.

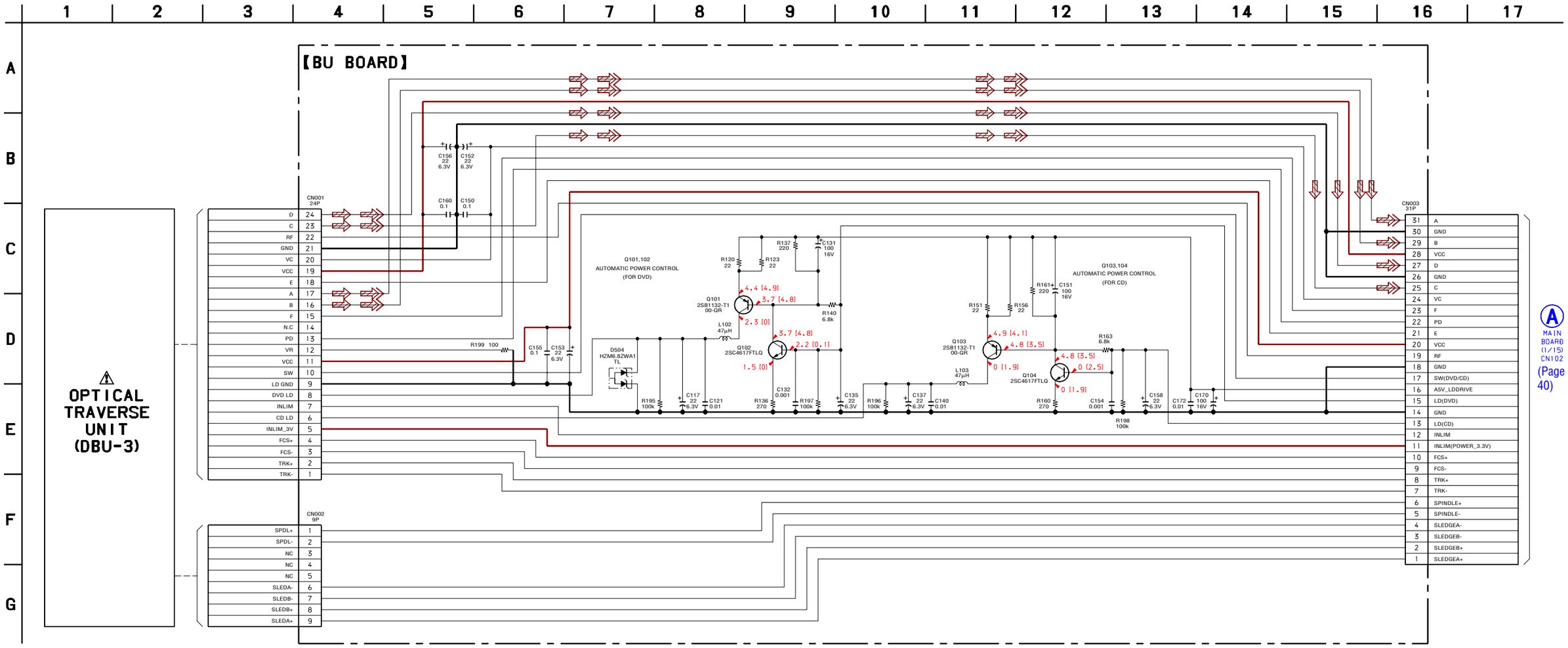
【BU BOARD】(SIDE A)




【BU BOARD】(SIDE B)



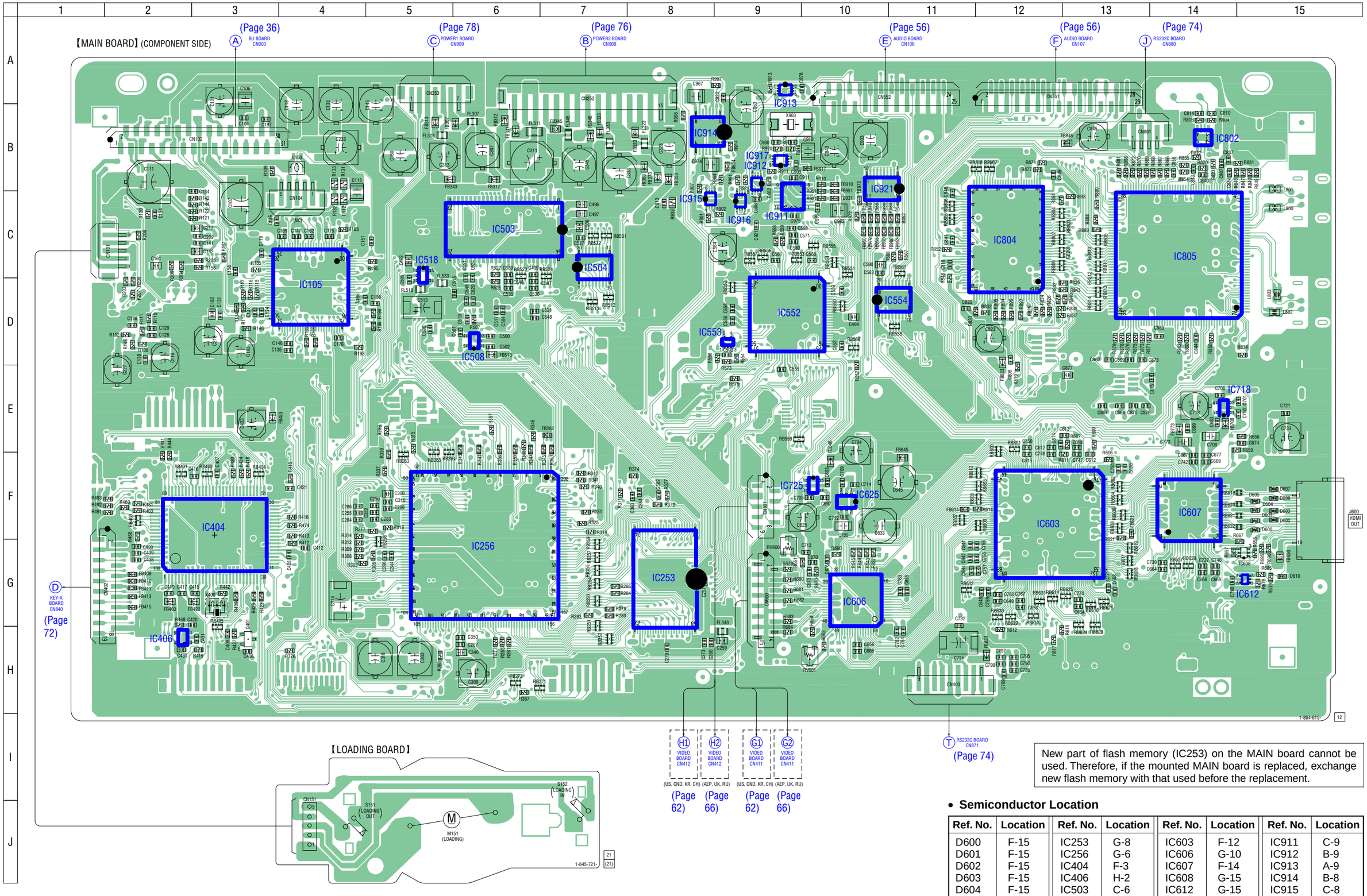
## 7-10. SCHEMATIC DIAGRAM – BU Board –



## 7-11. PRINTED WIRING BOARDS – MAIN Section (1/2) –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.




New part of flash memory (IC253) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

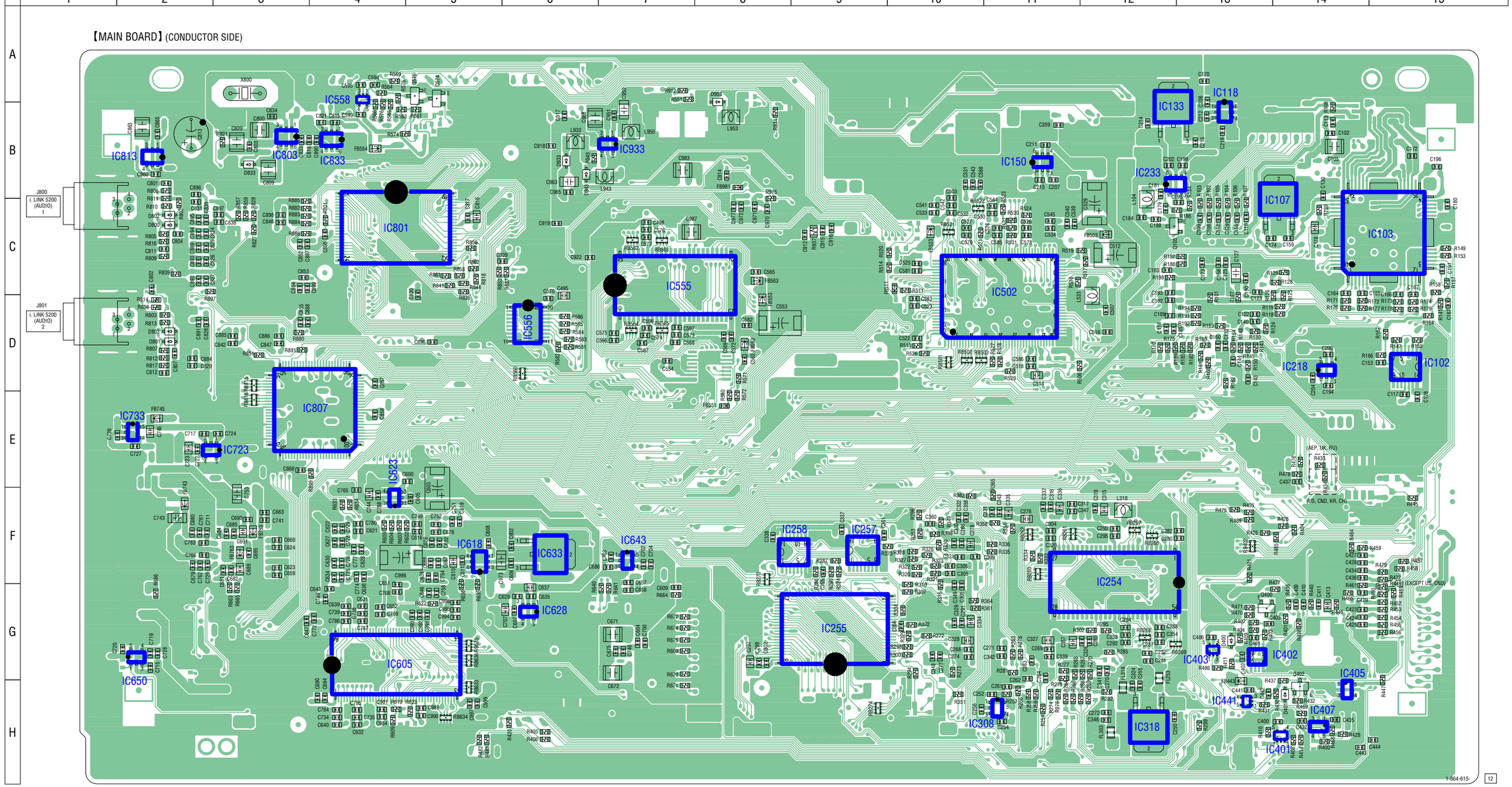
- **Semiconductor Location**

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|
| D600 | F-15 | IC253 | G-8 | IC603 | F-12 | IC911 | C-9 |
| D601 | F-15 | IC256 | G-6 | IC606 | G-10 | IC912 | B-9 |
| D602 | F-15 | IC404 | F-3 | IC607 | F-14 | IC913 | A-9 |
| D603 | F-15 | IC406 | H-2 | IC608 | G-15 | IC914 | B-8 |
| D604 | F-15 | IC503 | C-6 | IC612 | G-15 | IC915 | C-8 |
| D605 | F-15 | IC504 | C-7 | IC625 | F-10 | IC916 | C-9 |
| D606 | F-15 | IC508 | D-6 | IC718 | E-14 | IC917 | B-9 |
| D607 | F-15 | IC518 | C-5 | IC725 | F-10 | IC921 | B-10 |
| D610 | G-15 | IC552 | D-9 | IC802 | B-14 | | |
| | | IC553 | D-9 | IC804 | C-12 | Q401 | H-3 |
| IC105 | D-4 | IC554 | D-11 | IC805 | C-14 | | |

## 7-12. PRINTED WIRING BOARD – MAIN Section (2/2) –

• See page 35 for Circuit Boards Location.  : Uses unleaded solder.

【MAIN BOARD】(CONDUCTOR SIDE)



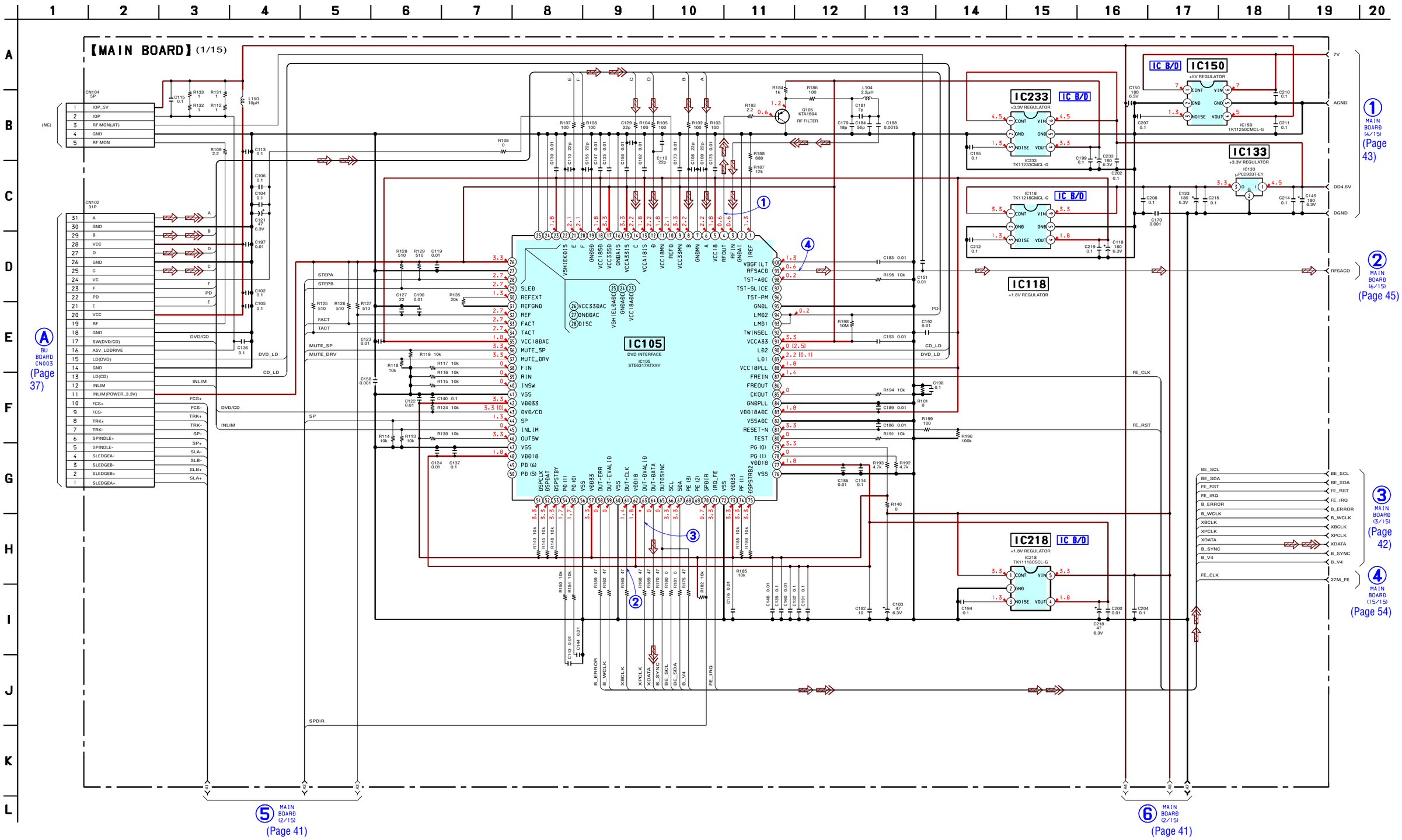

• **Semiconductor Location**

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|
| D400 | G-13 | IC103 | C-15 | IC318 | H-12 | IC618 | F-5 | IC833 | B-4 |
| D401 | H-14 | IC107 | C-14 | IC401 | H-14 | IC623 | F-4 | IC933 | B-7 |
| D800 | C-2 | IC118 | B-13 | IC402 | G-13 | IC628 | G-6 | | |
| D801 | D-2 | IC133 | B-12 | IC403 | G-13 | IC633 | F-6 | Q105 | C-12 |
| D802 | C-2 | IC150 | B-11 | IC405 | H-14 | IC643 | F-7 | Q400 | G-13 |
| D803 | D-2 | IC218 | D-14 | IC407 | H-14 | IC650 | G-2 | Q402 | H-14 |
| D833 | B-3 | IC233 | B-12 | IC441 | H-13 | IC723 | E-2 | Q574 | A-5 |
| D933 | B-6 | IC254 | F-12 | IC502 | D-11 | IC733 | E-2 | Q575 | A-5 |
| D943 | B-6 | IC255 | G-9 | IC555 | C-7 | IC801 | C-4 | | |
| D953 | A-8 | IC257 | F-9 | IC556 | D-6 | IC803 | B-3 | | |
| | | IC258 | F-9 | IC558 | A-4 | IC807 | E-4 | | |
| IC102 | D-15 | IC308 | H-11 | IC605 | G-4 | IC813 | B-2 | | |

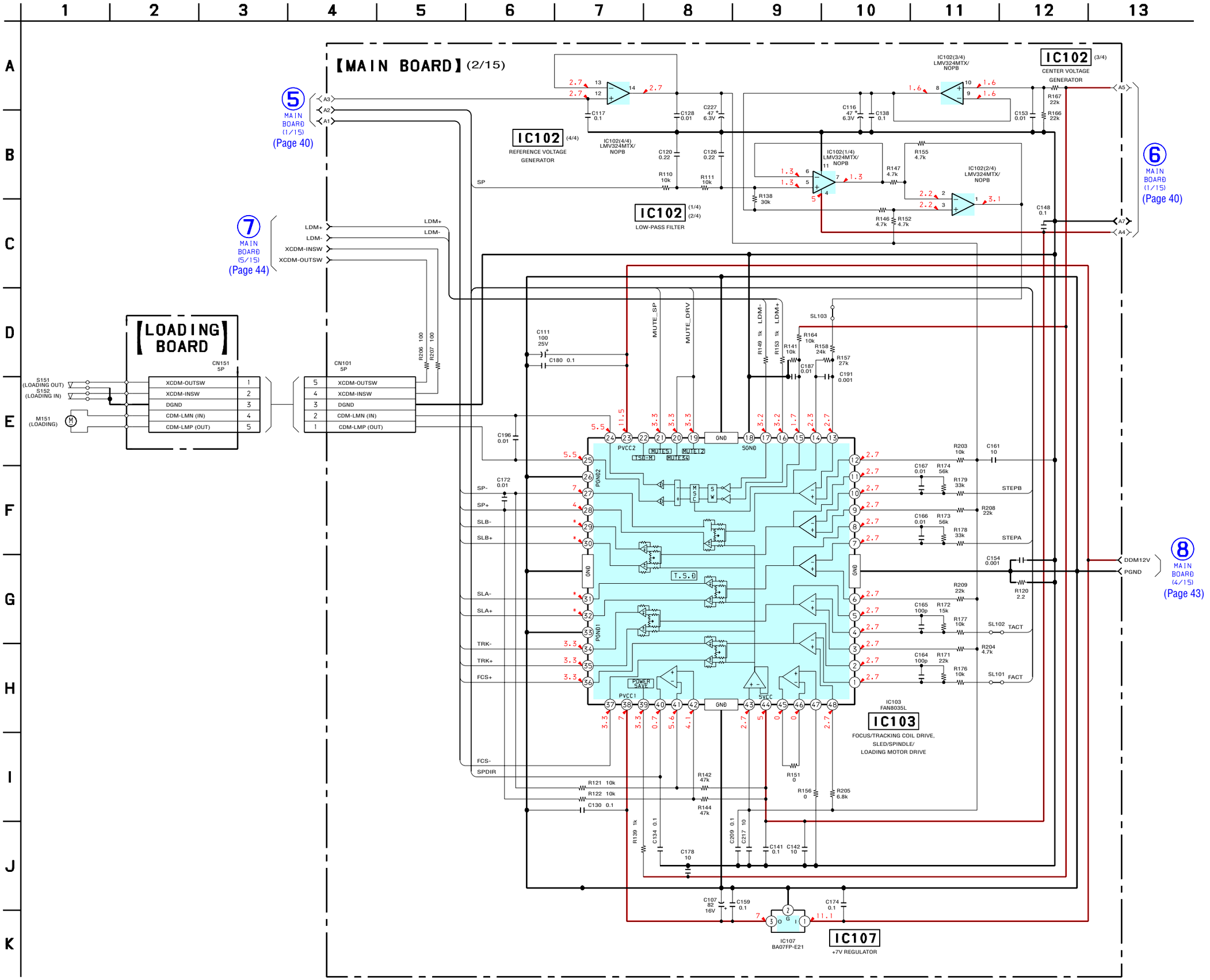
New part of flash memory (IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

## 7-13. SCHEMATIC DIAGRAM – MAIN Section (1/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

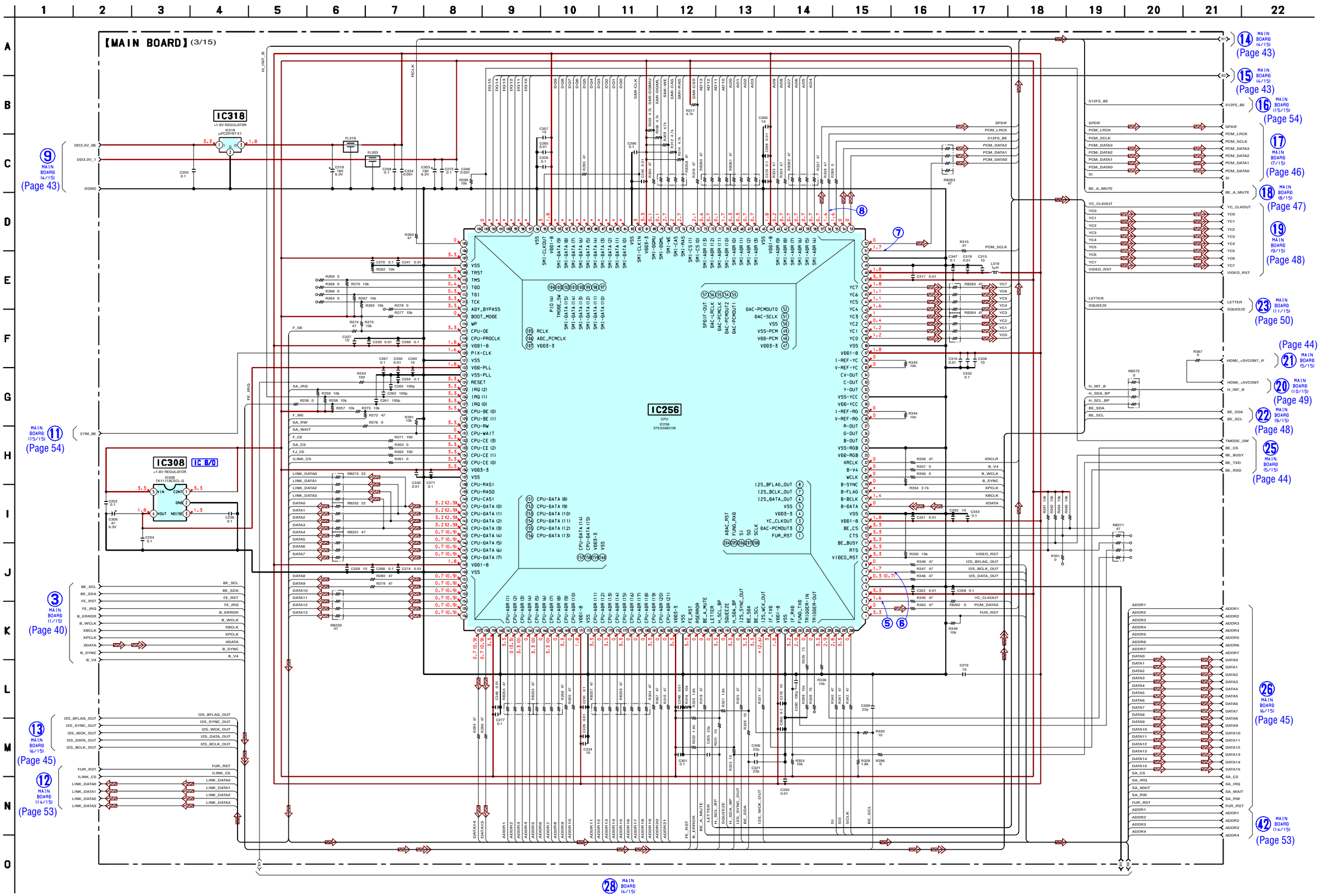


## 7-14. SCHEMATIC DIAGRAM – MAIN Section (2/15) –

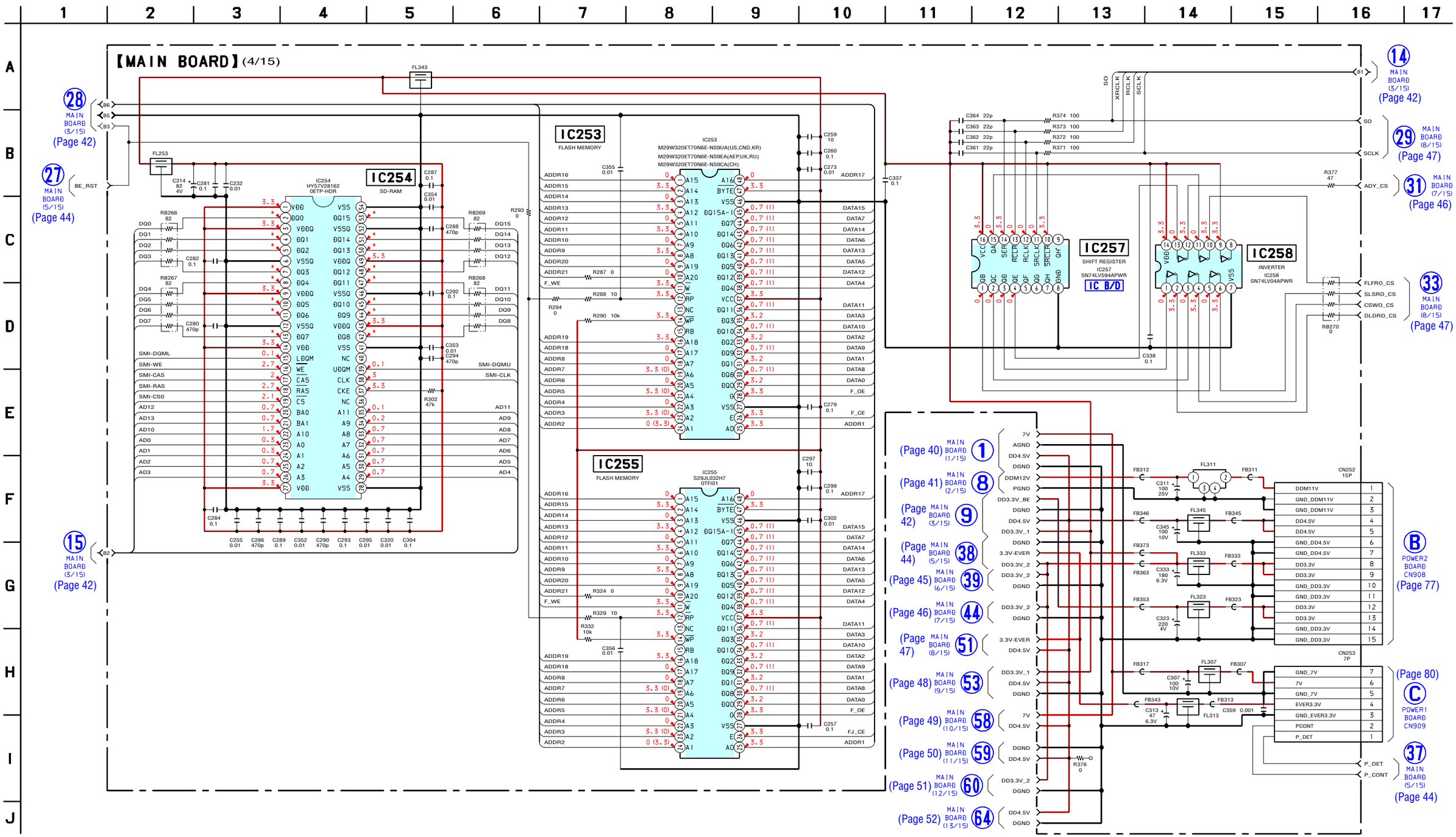


## 7-15. SCHEMATIC DIAGRAM – MAIN Section (3/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.


【MAIN BOARD】(3/15)
IC318
IC256
IC308
IC 8/0
9 MAIN BOARD (4/15) (Page 43)
11 MAIN BOARD (15/15) (Page 54)
3 MAIN BOARD (1/15) (Page 40)
13 MAIN BOARD (6/15) (Page 45)
12 MAIN BOARD (14/15) (Page 53)
28 MAIN BOARD (4/15) (Page 43)
14 MAIN BOARD (4/15) (Page 43)
15 MAIN BOARD (4/15) (Page 43)
16 MAIN BOARD (15/15) (Page 54)
17 MAIN BOARD (7/15) (Page 46)
18 MAIN BOARD (8/15) (Page 47)
19 MAIN BOARD (9/15) (Page 48)
23 MAIN BOARD (11/15) (Page 50)
21 MAIN BOARD (5/15) (Page 44)
20 MAIN BOARD (10/15) (Page 49)
22 MAIN BOARD (9/15) (Page 48)
25 MAIN BOARD (Page 44)
26 MAIN BOARD (6/15) (Page 45)
42 MAIN BOARD (14/15) (Page 53)

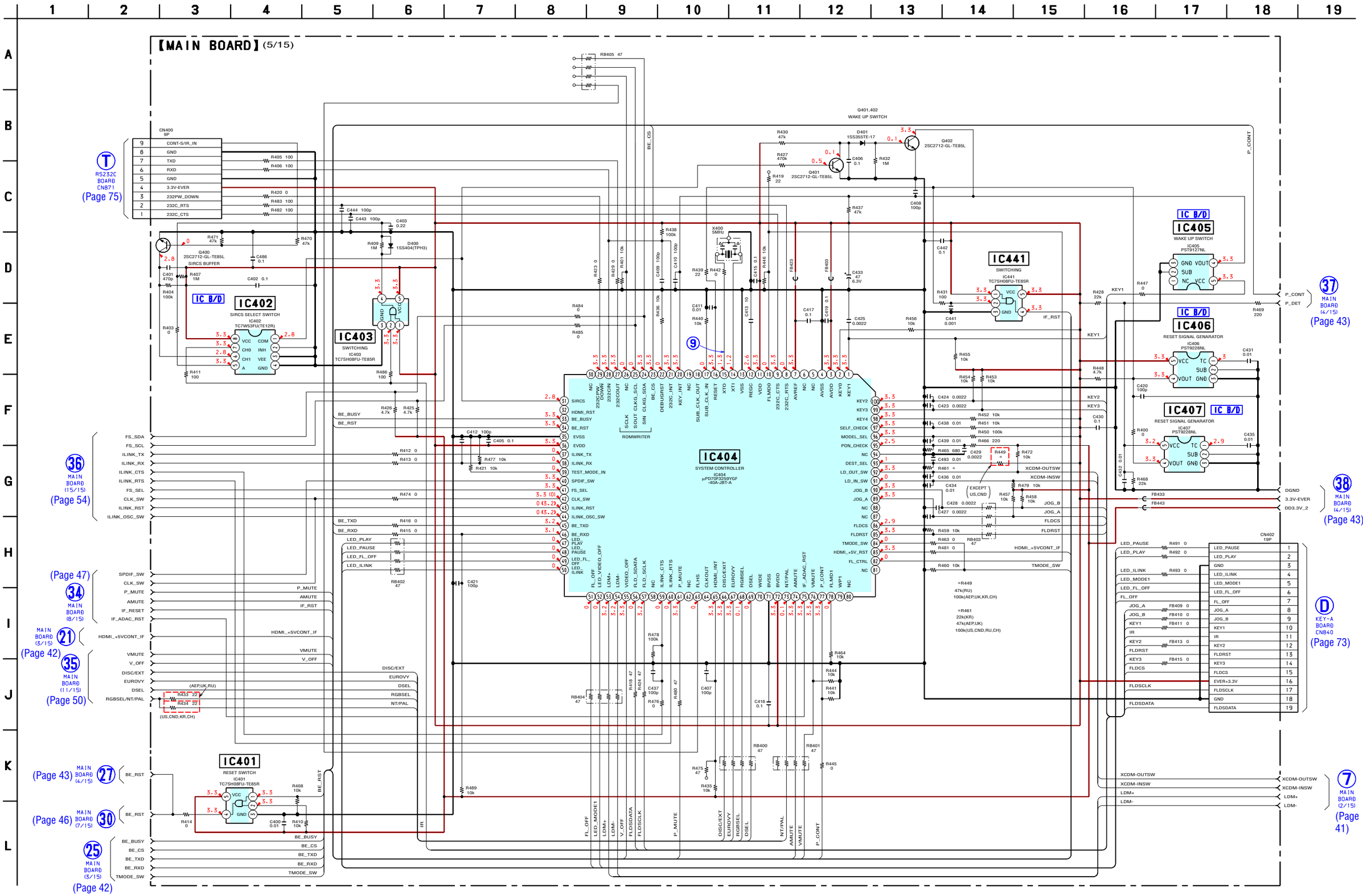
## 7-16. SCHEMATIC DIAGRAM – MAIN Section (4/15) – • See page 82 for IC Block Diagrams.




New part of flash memory (IC253) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

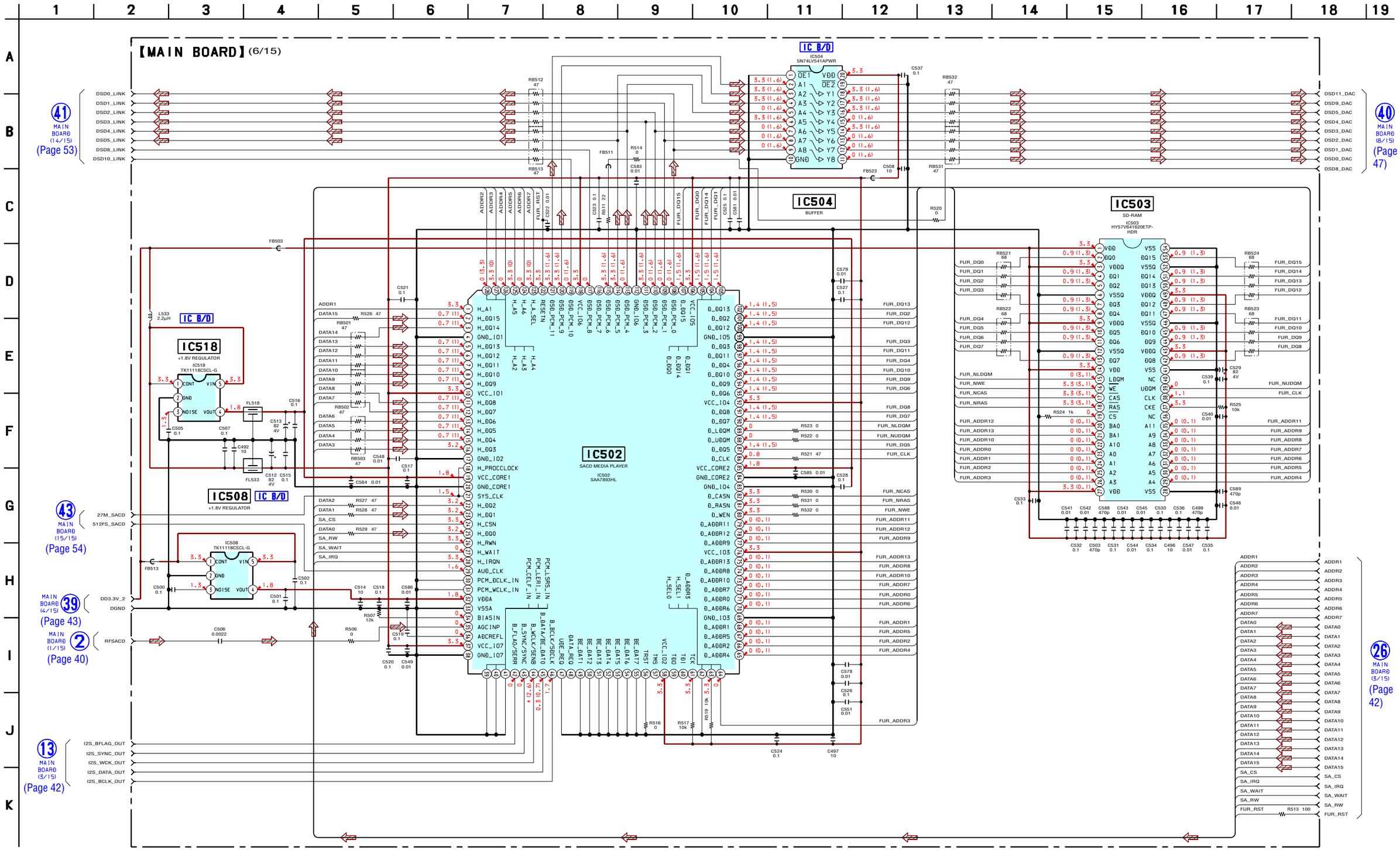
## 7-17. SCHEMATIC DIAGRAM – MAIN Section (5/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.



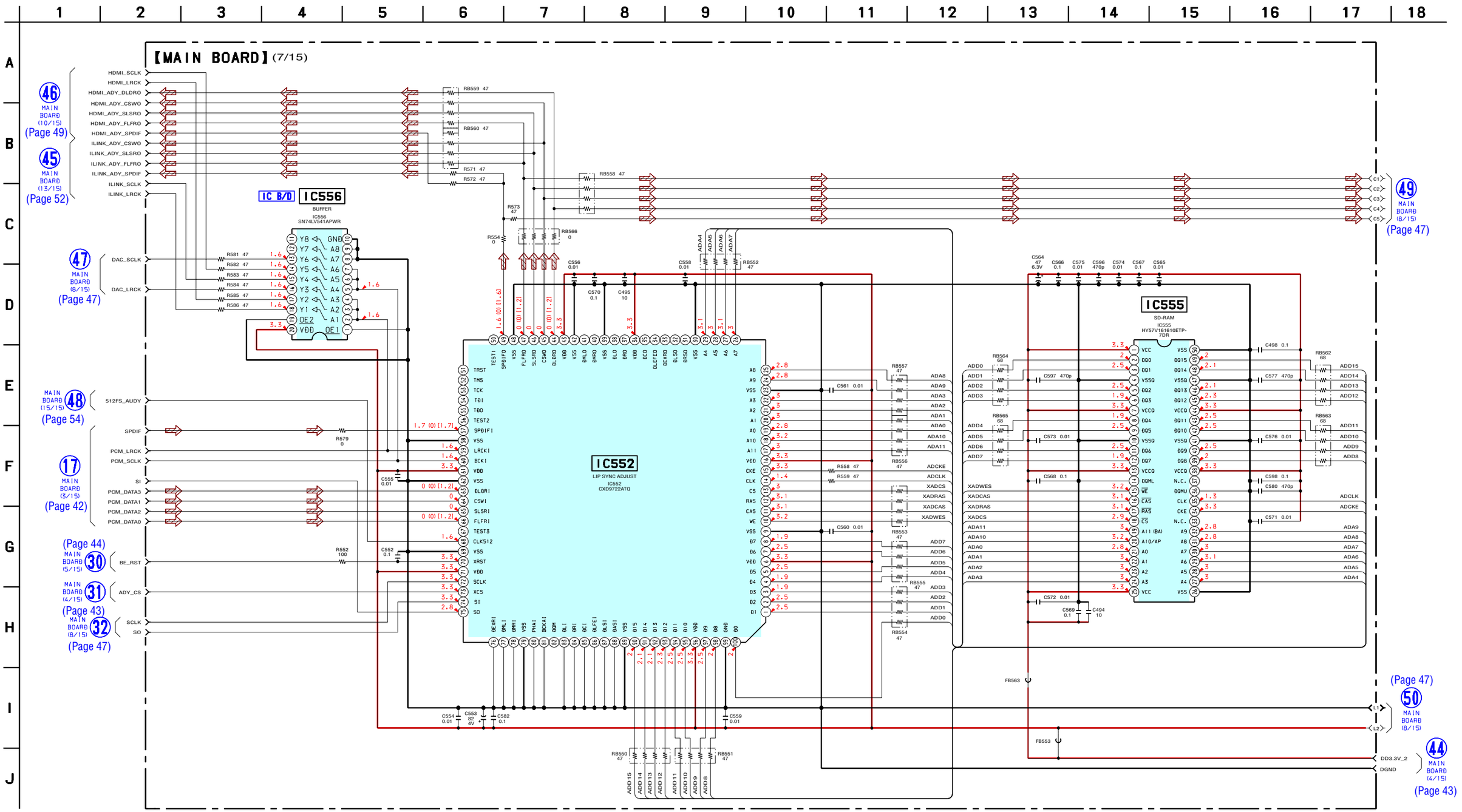
## 7-18. SCHEMATIC DIAGRAM – MAIN Section (6/15) –

• See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

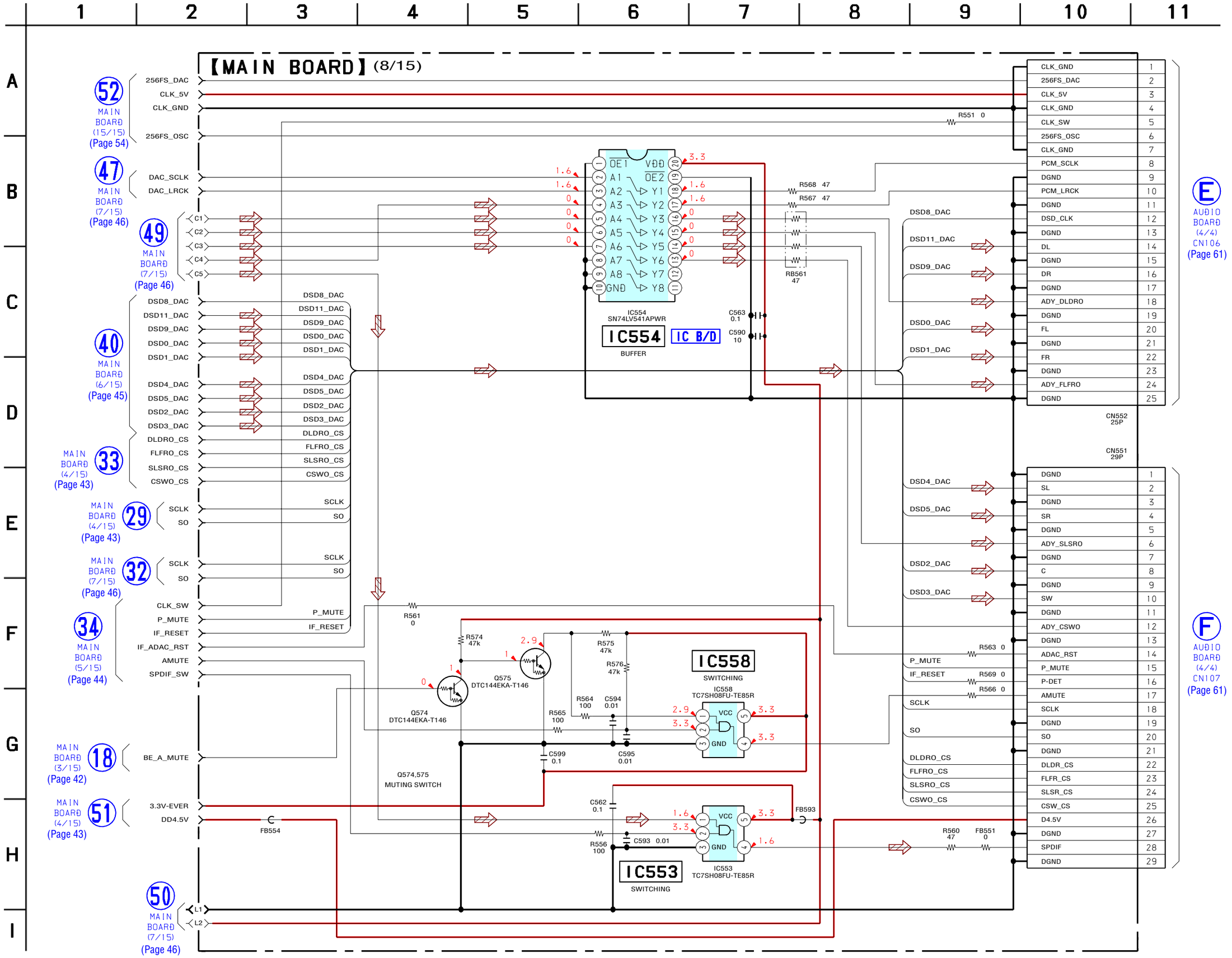


## 7-19. SCHEMATIC DIAGRAM – MAIN Section (7/15) –

• See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

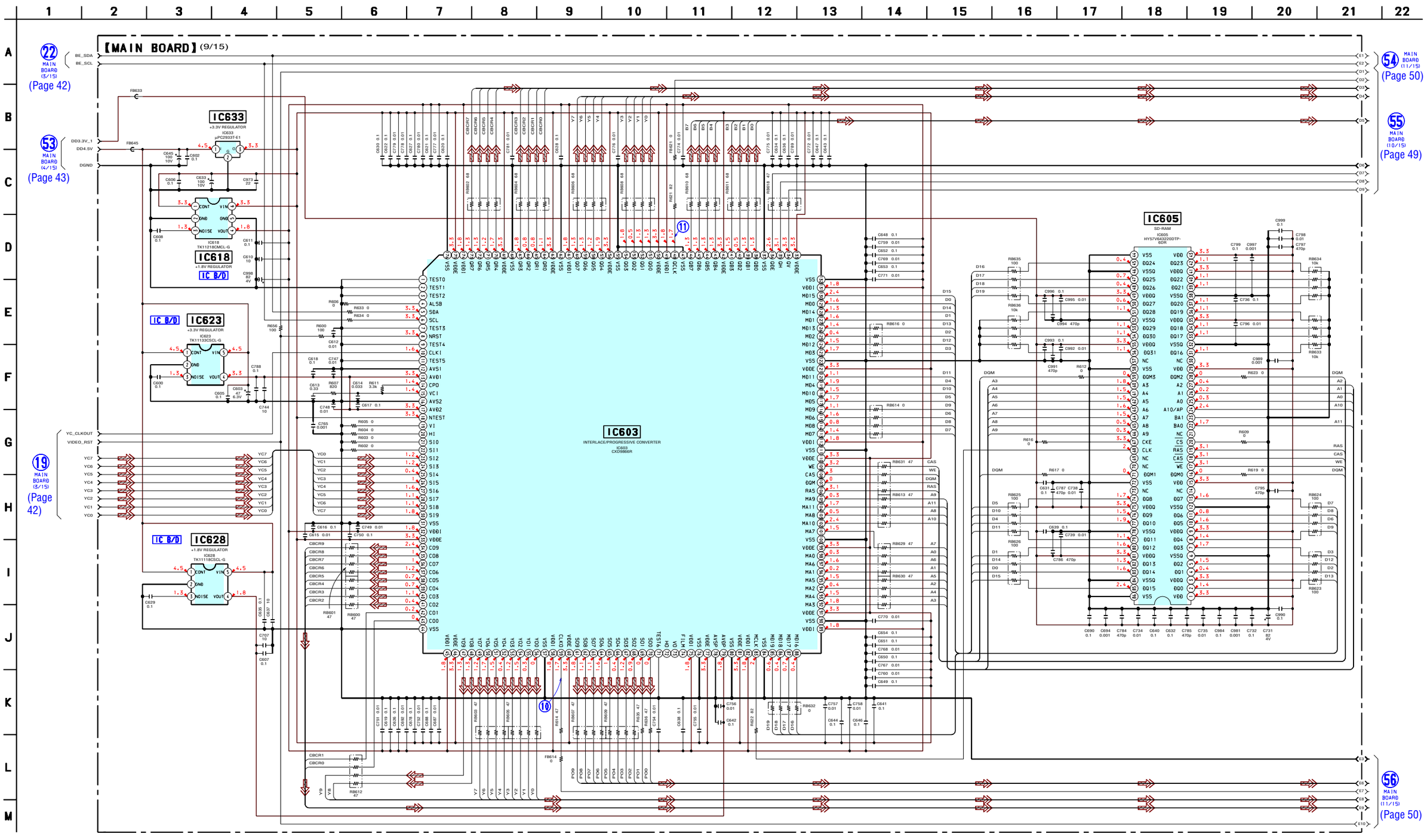


**7-20. SCHEMATIC DIAGRAM – MAIN Section (8/15) –** • See page 82 for IC Block Diagrams.

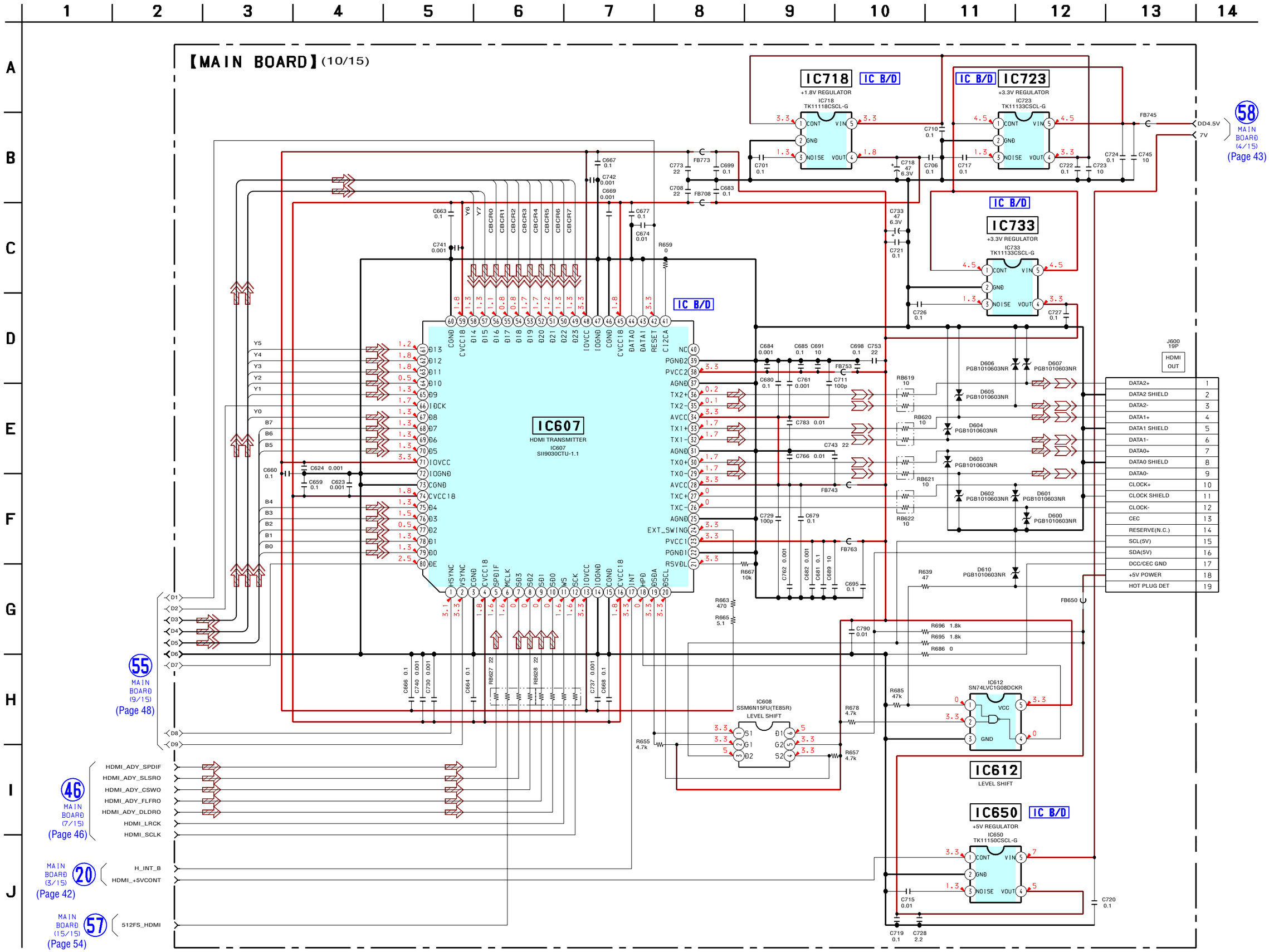


## 7-21. SCHEMATIC DIAGRAM – MAIN Section (9/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

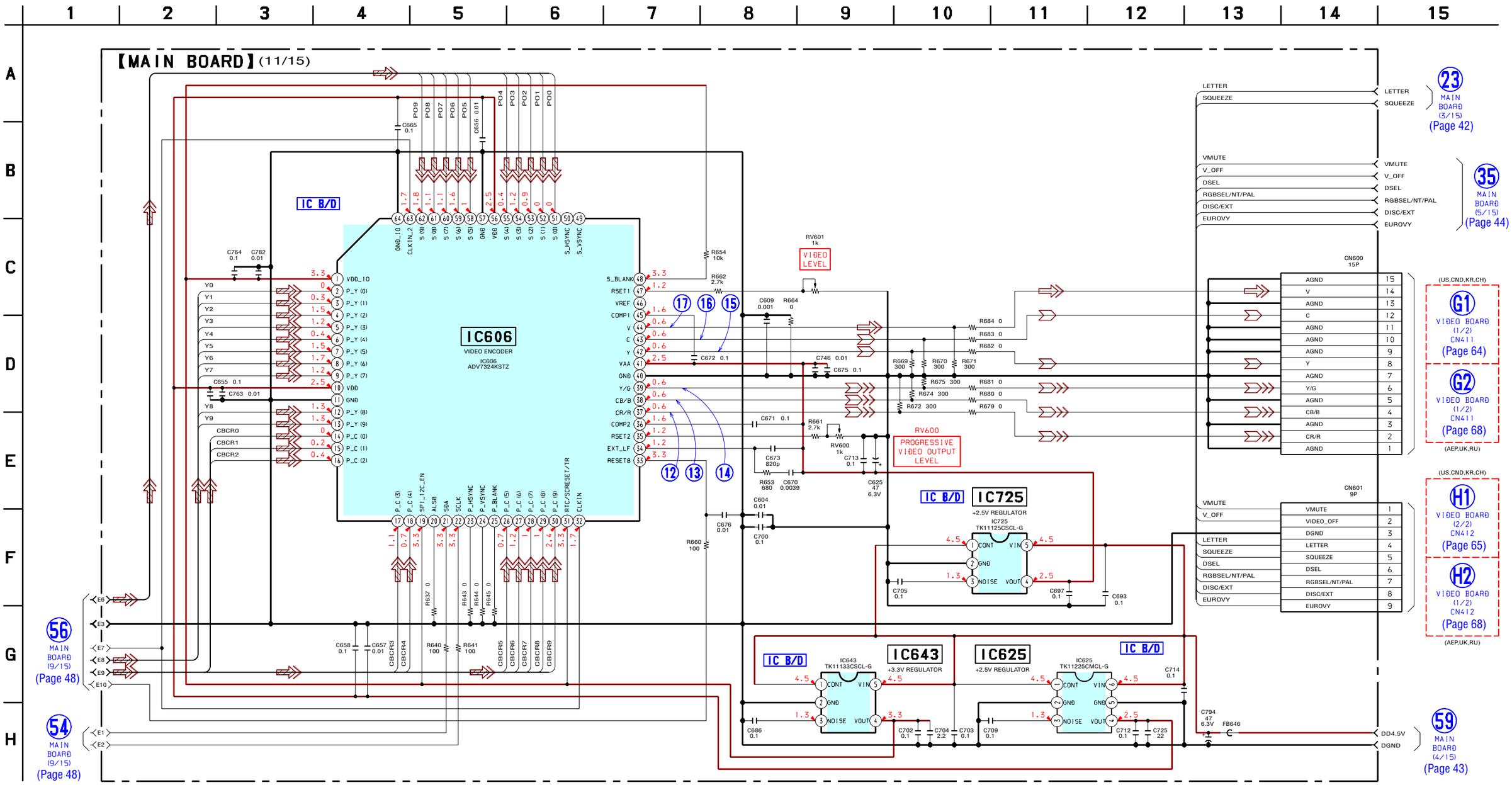


7-22. SCHEMATIC DIAGRAM – MAIN Section (10/15) – • See page 82 for IC Block Diagrams.

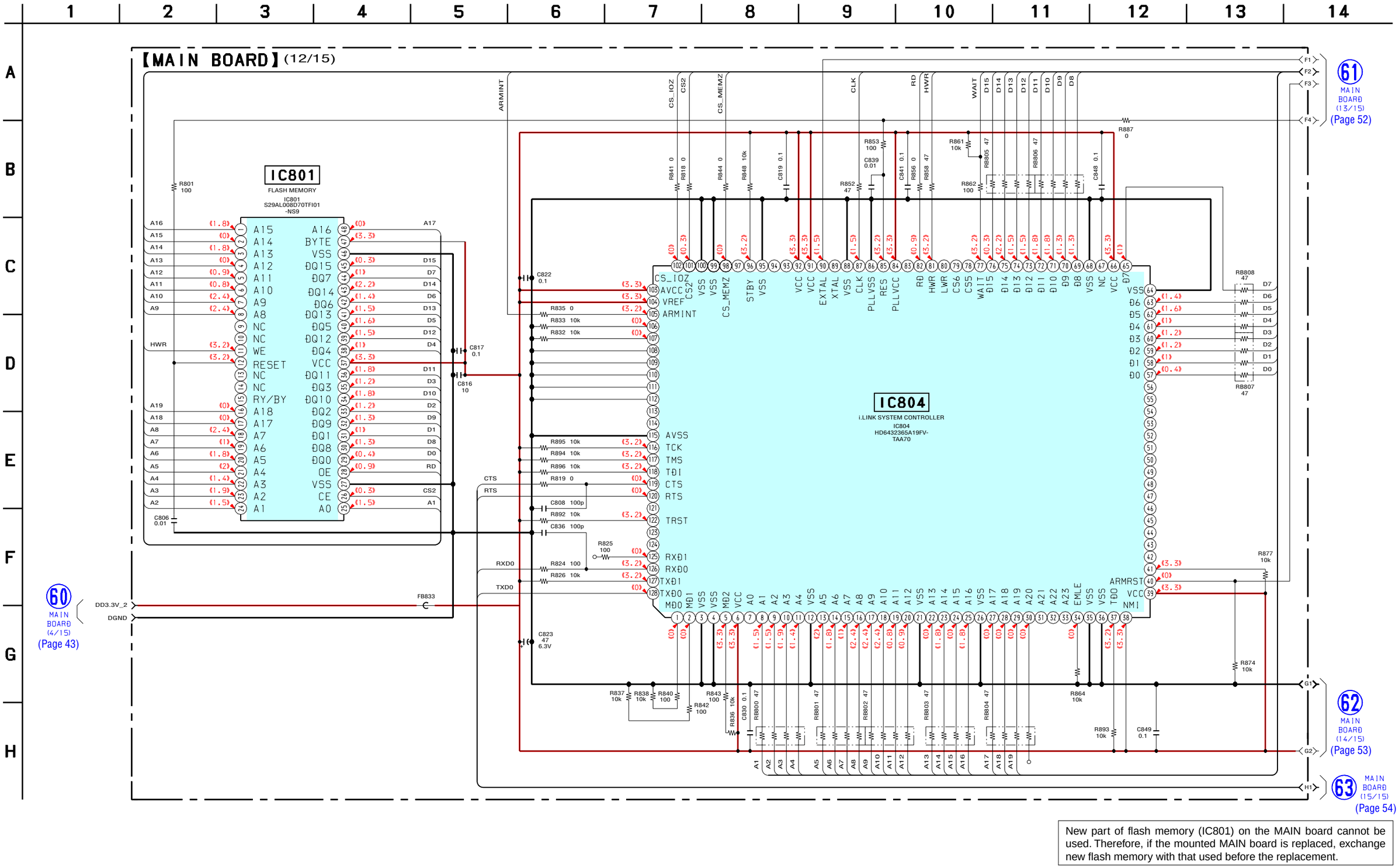


## 7-23. SCHEMATIC DIAGRAM – MAIN Section (11/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams.



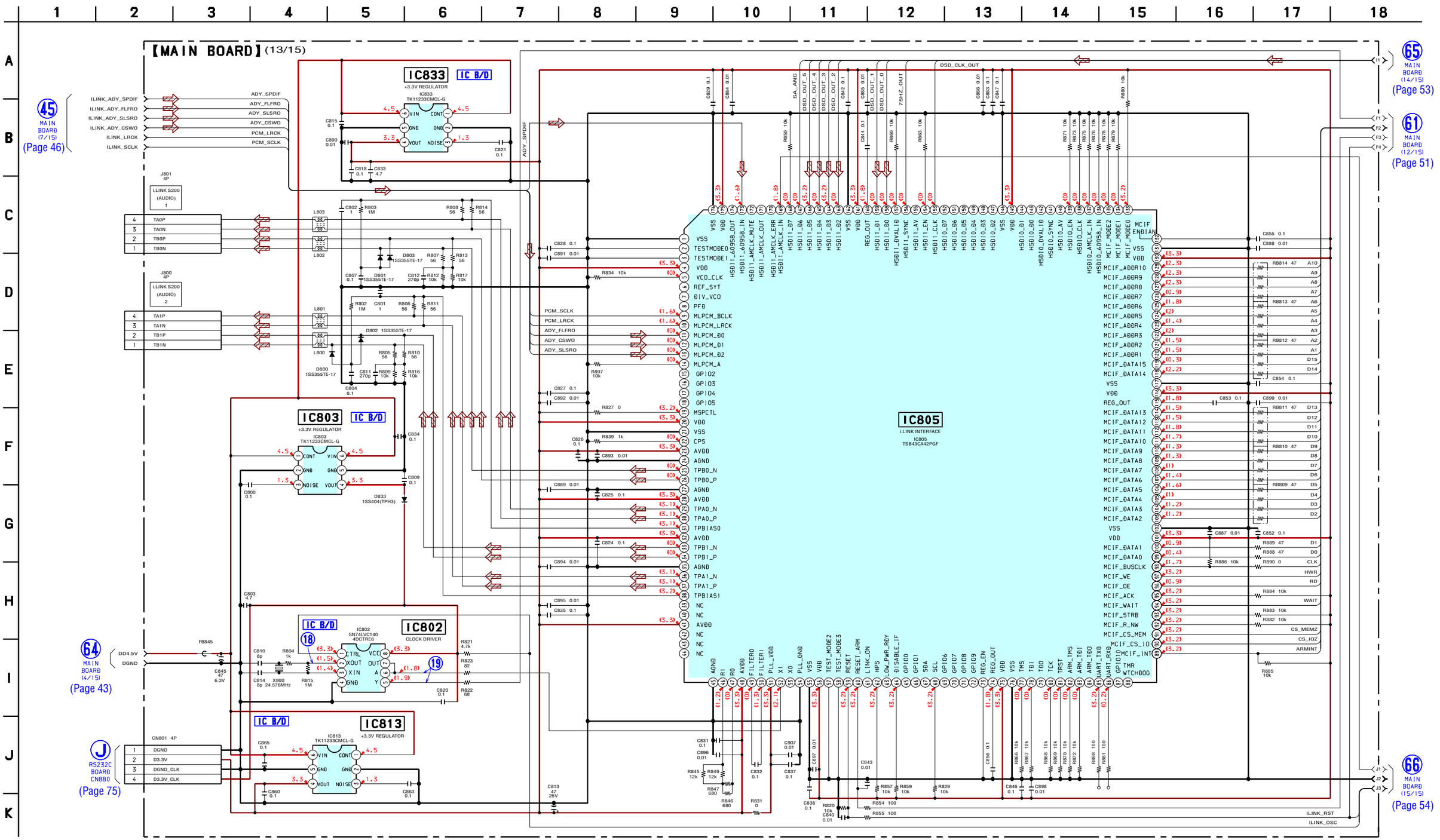
**7-24. SCHEMATIC DIAGRAM – MAIN Section (12/15) –** • See page 89 for IC Pin Function Description.



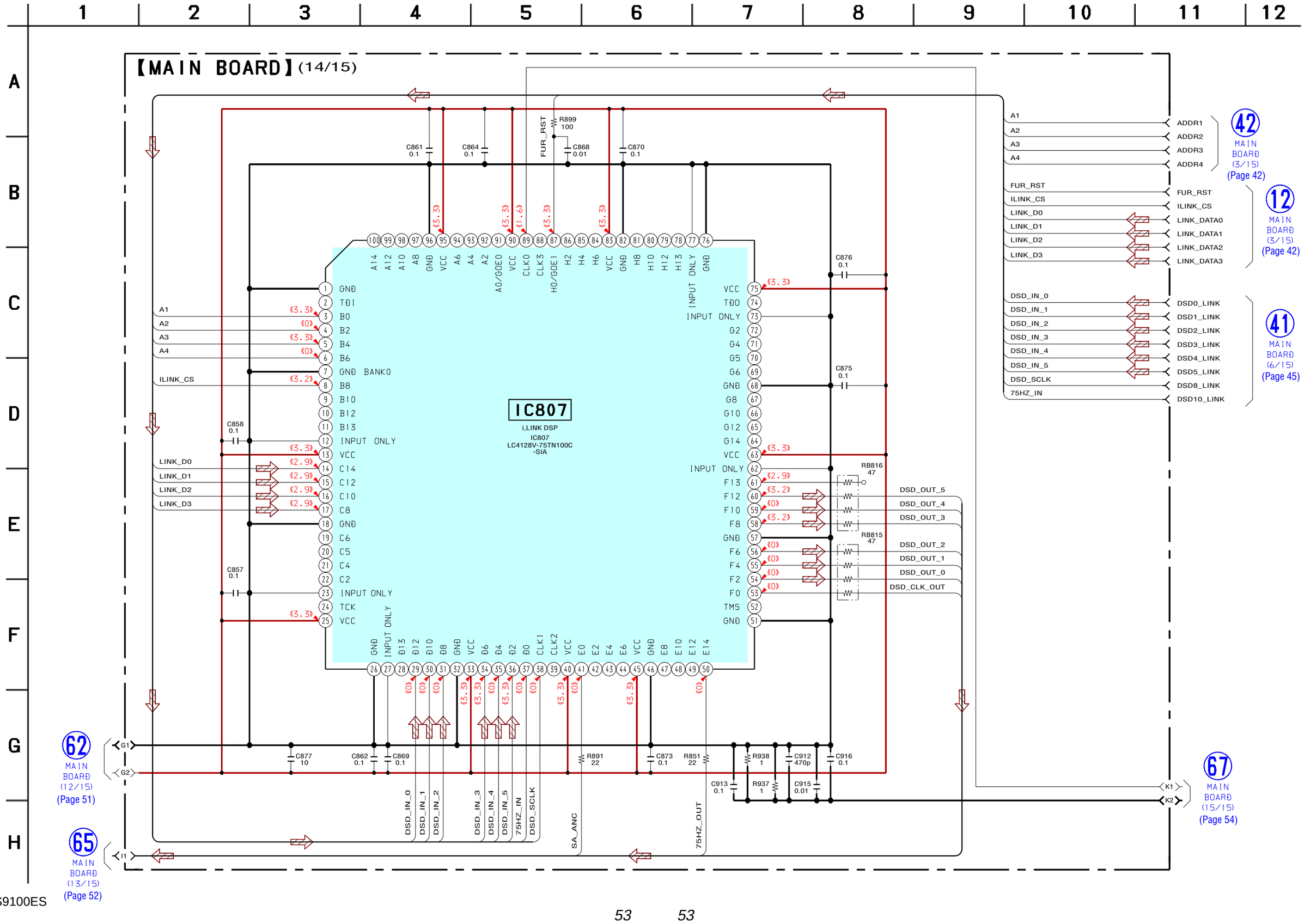

New part of flash memory (IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

## 7-25. SCHEMATIC DIAGRAM – MAIN Section (13/15) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams. • See page 89 for IC Pin Function Description.

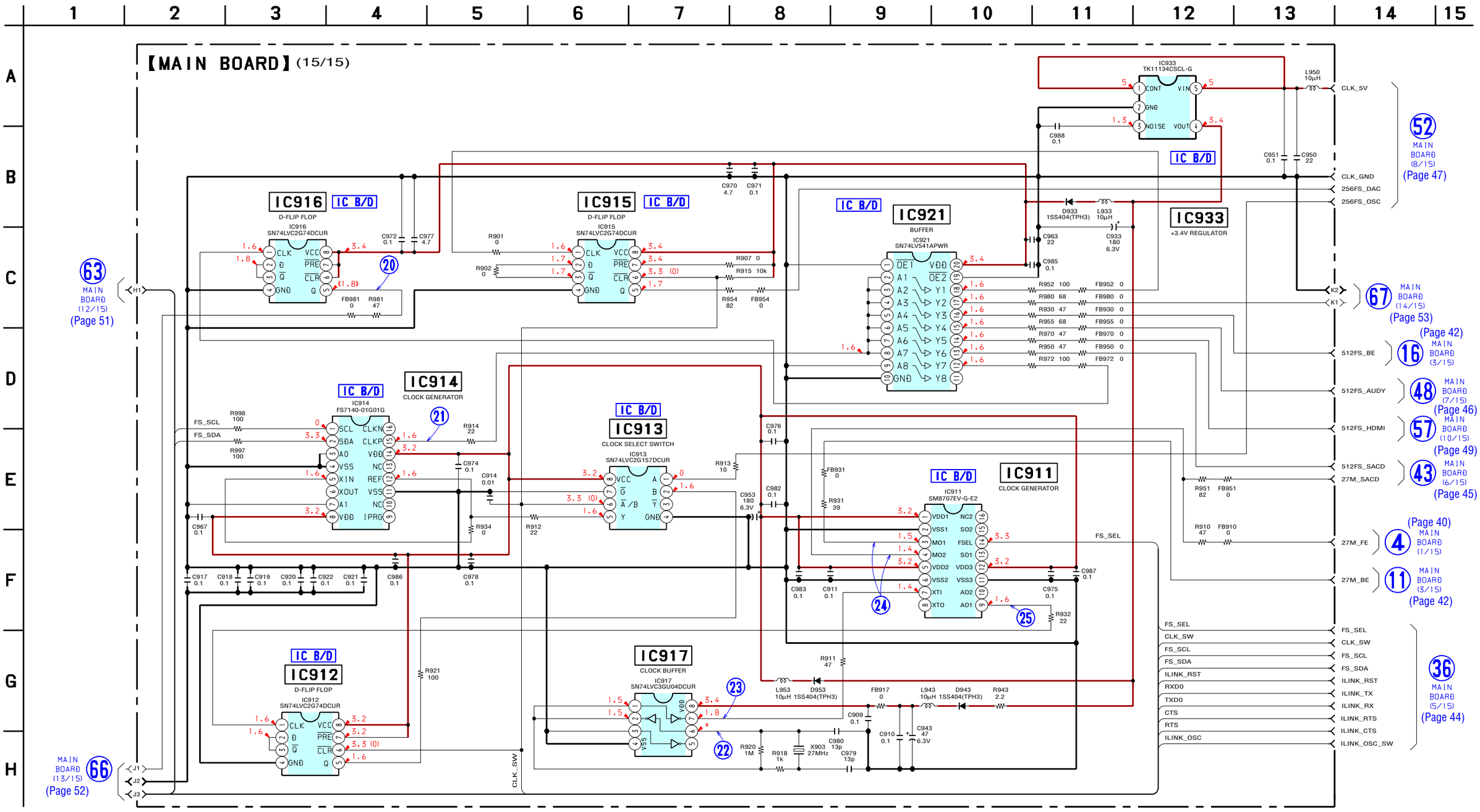


**7-26. SCHEMATIC DIAGRAM – MAIN Section (14/15) –** • See page 89 for IC Pin Function Description.



## 7-27. SCHEMATIC DIAGRAM – MAIN Section (15/15) –

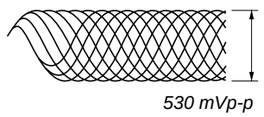
• See page 55 for Waveforms. • See page 82 for IC Block Diagrams.



• **Waveforms**

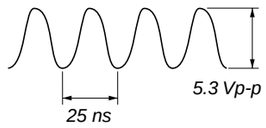
**– MAIN Board –**

**① IC105 ④ (RFOUT) (DVD/SA-CD play mode)**



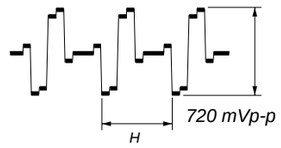

*200 mV/DIV, 200 ns/DIV*

**⑥ IC256 ⑦ (I2S_BCLK_OUT)**



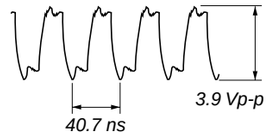

*2 V/DIV, 10 ns/DIV*

**⑫ IC606 ㊲ (CR/R) (Color bar)**



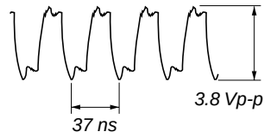

*200 mV/DIV, 20 µs/DIV*

**⑱ IC802 ② (XOUT) (I.link on mode)**



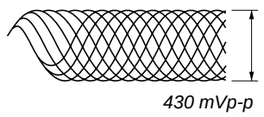

*2 V/DIV, 20 ns/DIV*

**㉔ IC911 ③ (MO1), ④ (MO2)**



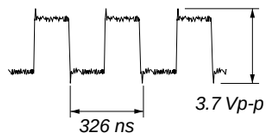

*2 V/DIV, 20 ns/DIV*

**① IC105 ④ (RFOUT) (CD play mode)**



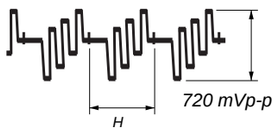

*200 mV/DIV, 200 ns/DIV*

**⑦ IC256 ㊶ (DAC-SCLK)**



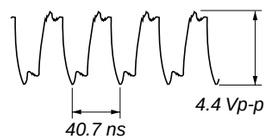

*2 V/DIV, 100 ns/DIV*

**⑬ IC606 ㊳ (CB/B) (Color bar)**



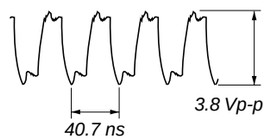

*200 mV/DIV, 50 µs/DIV*

**⑲ IC802 ⑤ (Y), ⑥ (A), ⑦ (OUT) (I.link on mode)**



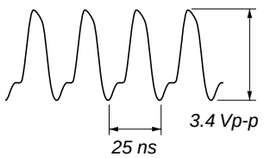

*2 V/DIV, 20 ns/DIV*

**㉕ IC911 ⑨ (AO1)**



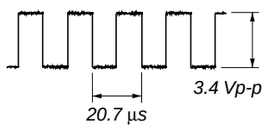

*2 V/DIV, 20 ns/DIV*

**② IC105 ㊶ (OUT-CLK)**



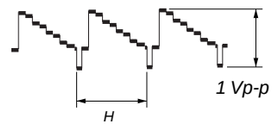

*1 V/DIV, 10 ns/DIV*

**⑧ IC256 ㊻ (DAC-LRCLK)**



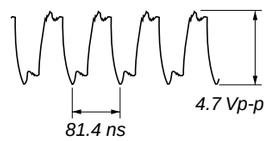

*2 V/DIV, 10 µs/DIV*

**⑭ IC606 ㊴ (Y/G) (Color bar)**



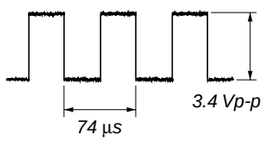

*500 mV/DIV, 20 µs/DIV*

**⑳ IC916 ⑤ (Q) (I.link on mode)**



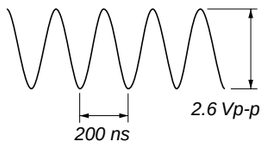

*2 V/DIV, 50 ns/DIV*

**③ IC105 ㊸ (OUT-DVALID)**



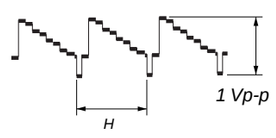

*1 V/DIV, 20 µs/DIV*

**⑨ IC404 ⑮ (XTO)**



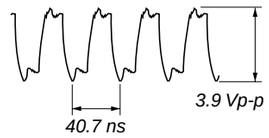

*1 V/DIV, 100 ns/DIV*

**⑮ IC606 ㊷ (Y) (Color bar)**



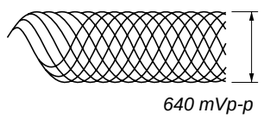

*500 mV/DIV, 20 µs/DIV*

**㉑ IC914 ⑮ (CLKP)**



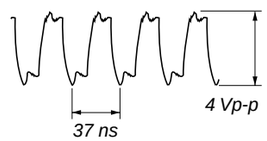

*2 V/DIV, 20 ns/DIV*

**④ IC105 ㊾ (RFSACD) (SA-CD play mode)**



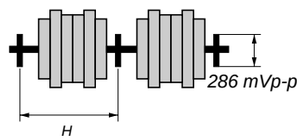

*200 mV/DIV, 200 ns/DIV*

**⑩ IC603 ㊾ (CLKO)**



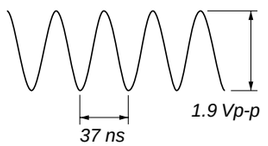

*2 V/DIV, 20 ns/DIV*

**⑯ IC606 ㊸ (C) (Color bar)**



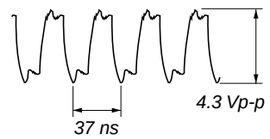

*500 mV/DIV, 20 µs/DIV*

**㉒ IC917 ⑥**



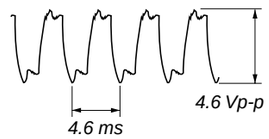

*1 V/DIV, 20 ns/DIV*

**⑤ IC256 ③ (YC_CLKOUT)**



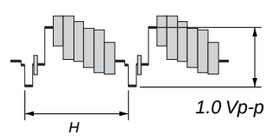

*2 V/DIV, 20 ns/DIV*

**⑪ IC603 ㊽ (QCLK)**



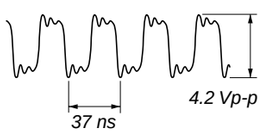

*2 V/DIV, 2 ms/DIV*

**⑰ IC606 ㊹ (V) (Color bar)**




*500 mV/DIV, 20 µs/DIV*

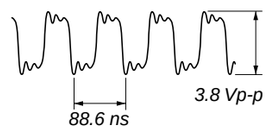
**㉓ IC917 ⑦**




*2 V/DIV, 20 ns/DIV*

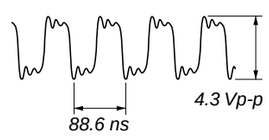
**– AUDIO Board –**

**㉛ IC104 ② (XOUT) (SA-CD play mode)**




*2 V/DIV, 50 ns/DIV*

**㉜ IC104 ⑦ (OUT) (SA-CD play mode)**




*2 V/DIV, 50 ns/DIV*

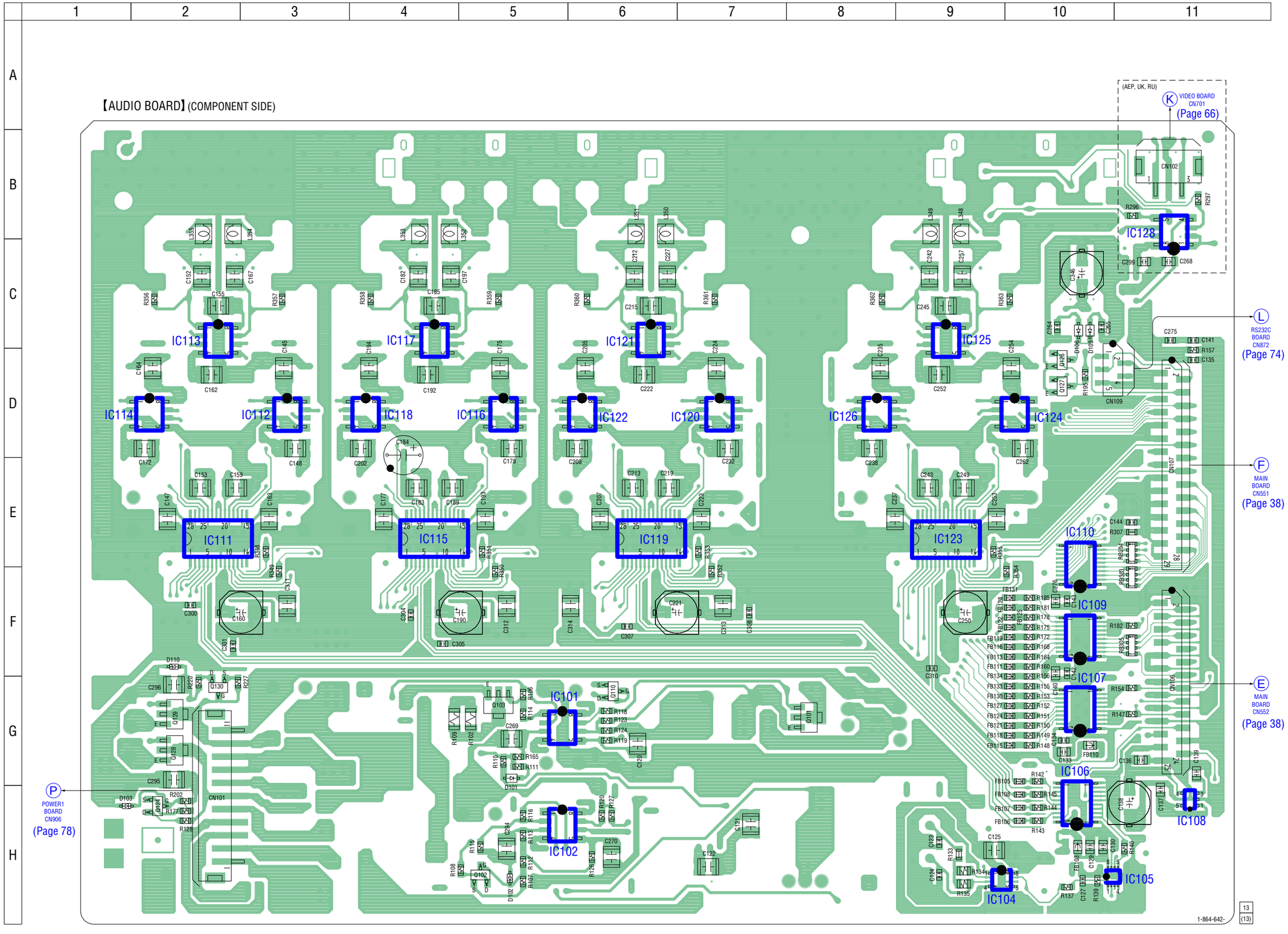
## 7-28. PRINTED WIRING BOARD – AUDIO Board (Component Side) –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

• **Semiconductor Location**

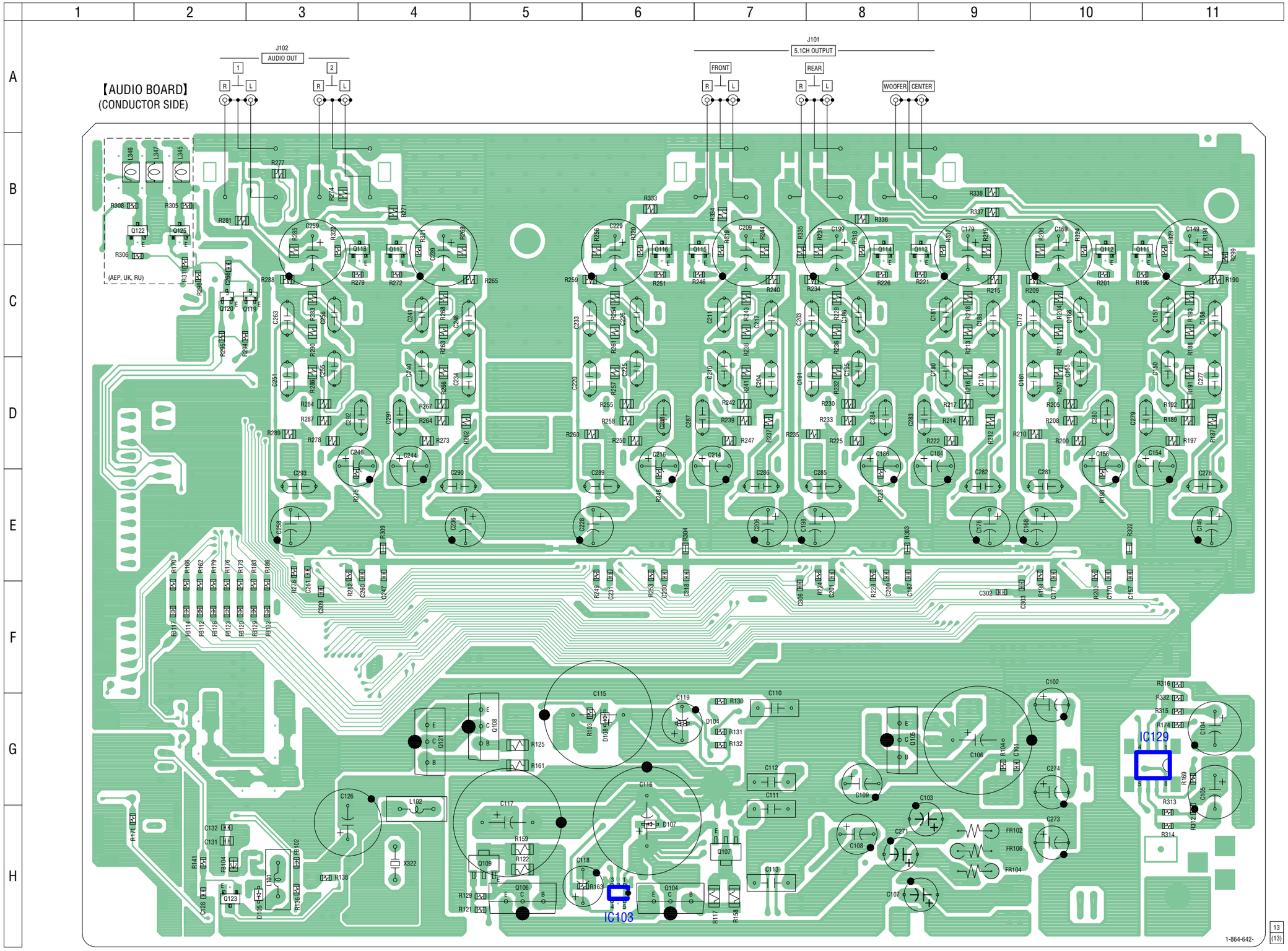
| Ref. No. | Location |
|---|---|
| D101 | G-5 |
| D102 | H-5 |
| D103 | H-1 |
| D106 | C-10 |
| D109 | C-10 |
| D110 | F-2 |
| | |
| IC101 | G-5 |
| IC102 | H-5 |
| IC104 | H-9 |
| IC105 | H-10 |
| IC106 | H-10 |
| IC107 | G-10 |
| IC108 | H-11 |
| IC109 | F-10 |
| IC110 | F-10 |
| IC111 | E-2 |
| IC112 | D-3 |
| IC113 | C-2 |
| IC114 | D-2 |
| IC115 | E-4 |
| IC116 | D-5 |
| IC117 | C-4 |
| IC118 | D-4 |
| IC119 | E-6 |
| IC120 | D-7 |
| IC121 | C-6 |
| IC122 | D-6 |
| IC123 | E-9 |
| IC124 | D-10 |
| IC125 | C-9 |
| IC126 | D-8 |
| IC128 | B-11 |
| | |
| Q101 | G-8 |
| Q102 | H-5 |
| Q103 | G-5 |
| Q110 | G-6 |
| Q124 | H-2 |
| Q126 | D-10 |
| Q127 | D-10 |
| Q128 | G-2 |
| Q129 | G-2 |
| Q130 | G-2 |



## 7-29. PRINTED WIRING BOARD – AUDIO Board (Conductor Side) –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

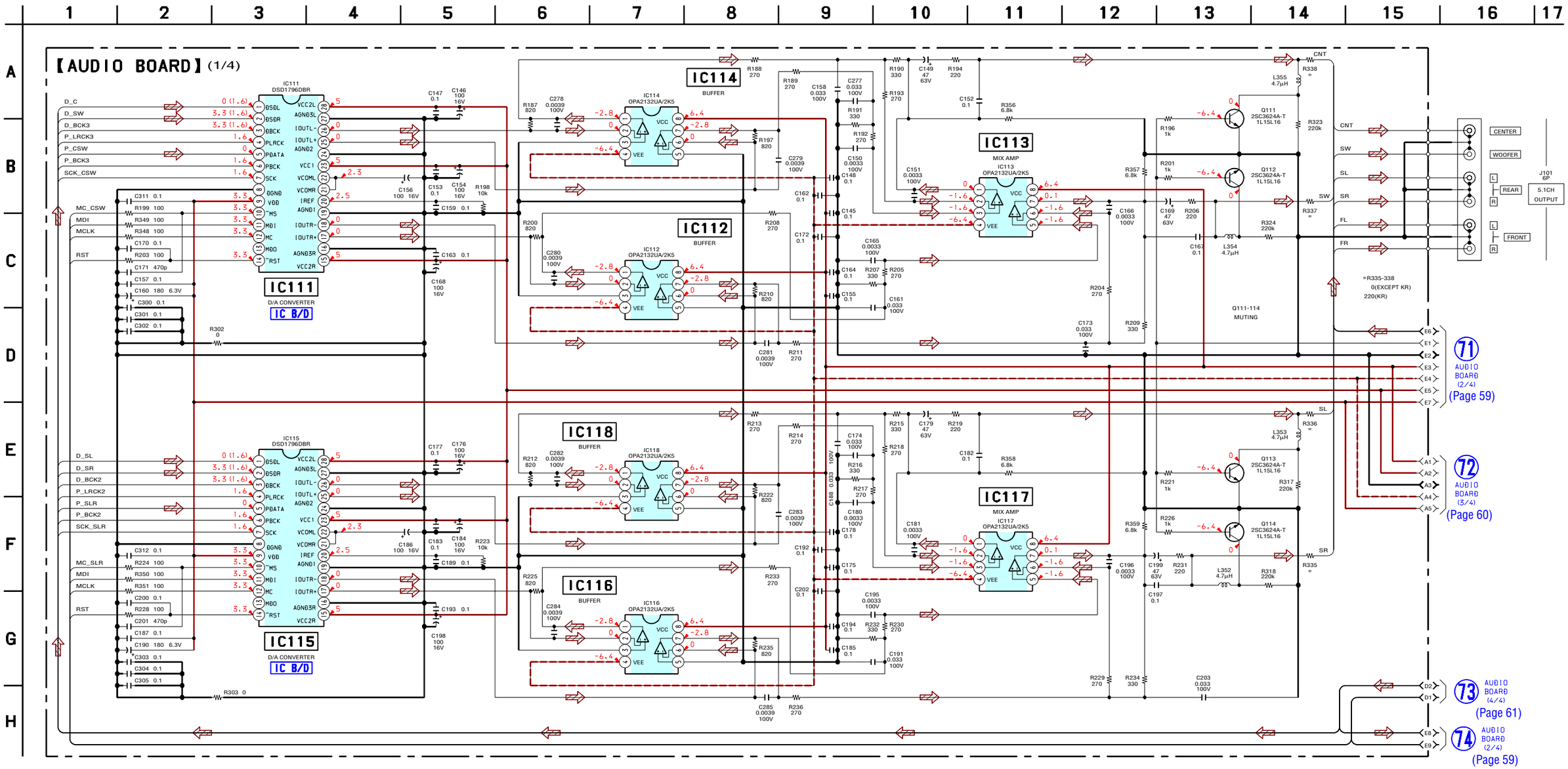



• **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D104 | G-6 |
| D105 | H-3 |
| D107 | H-6 |
| D108 | G-6 |
| IC103 | H-6 |
| IC129 | G-11 |
| Q104 | H-6 |
| Q105 | G-8 |
| Q106 | H-5 |
| Q107 | H-7 |
| Q108 | G-5 |
| Q109 | H-5 |
| Q111 | C-11 |
| Q112 | C-10 |
| Q113 | C-9 |
| Q114 | C-8 |
| Q115 | C-7 |
| Q116 | C-6 |
| Q117 | C-4 |
| Q118 | C-4 |
| Q119 | C-3 |
| Q120 | C-2 |
| Q121 | G-4 |
| Q122 | B-2 |
| Q123 | H-2 |
| Q125 | B-2 |

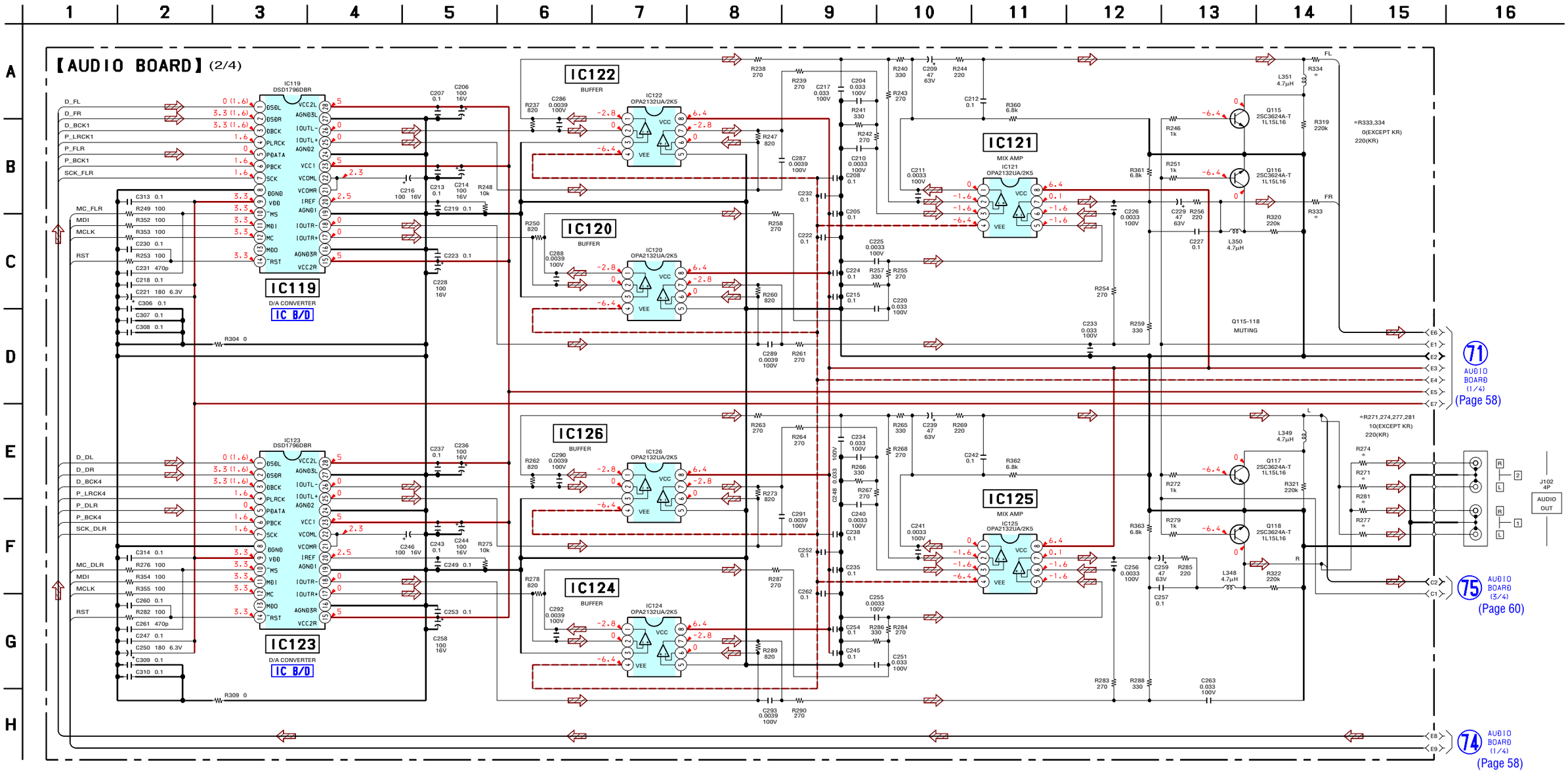
## 7-30. SCHEMATIC DIAGRAM – AUDIO Board (1/4) –

• See page 82 for IC Block Diagrams.



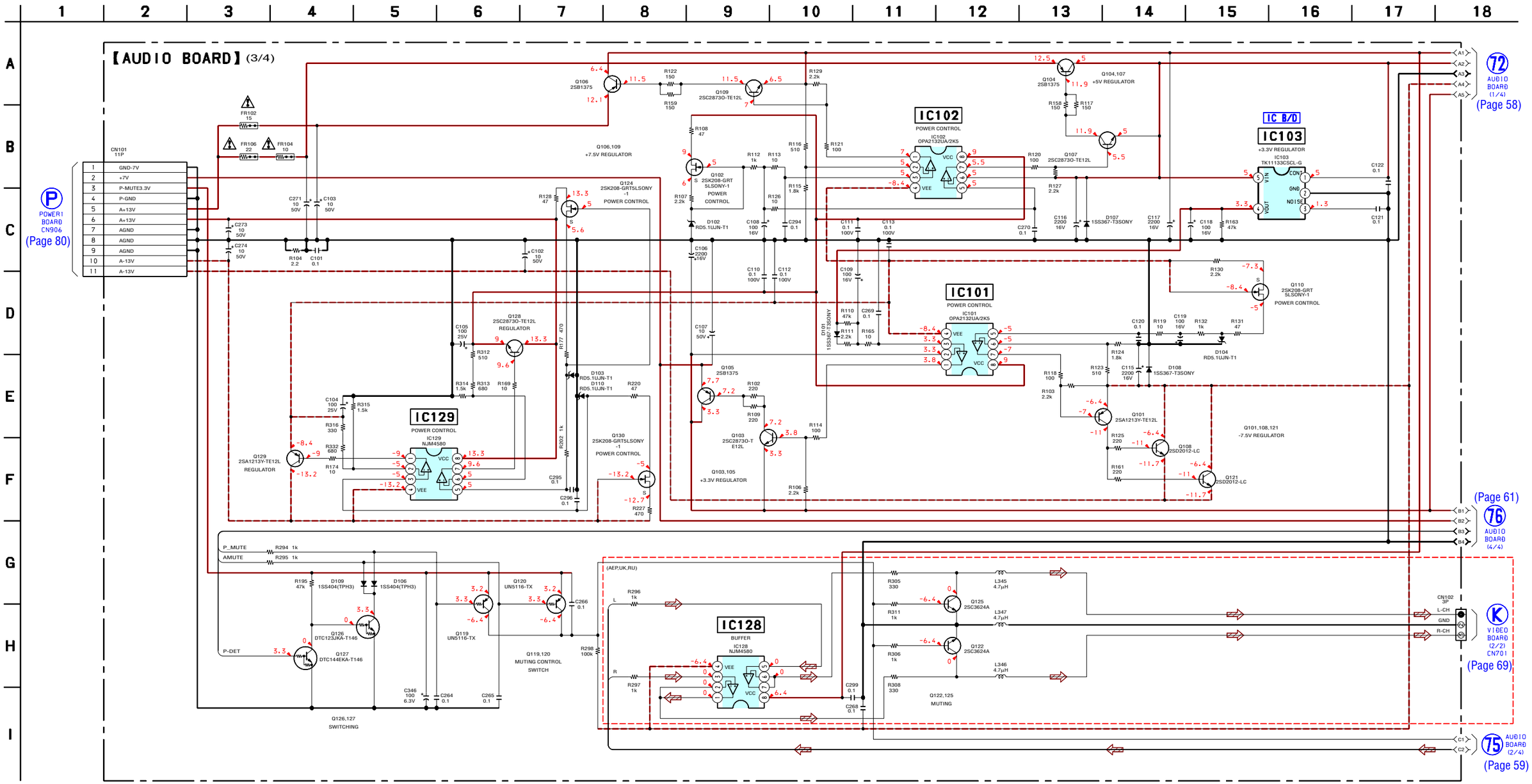
## 7-31. SCHEMATIC DIAGRAM – AUDIO Board (2/4) –

• See page 82 for IC Block Diagrams.



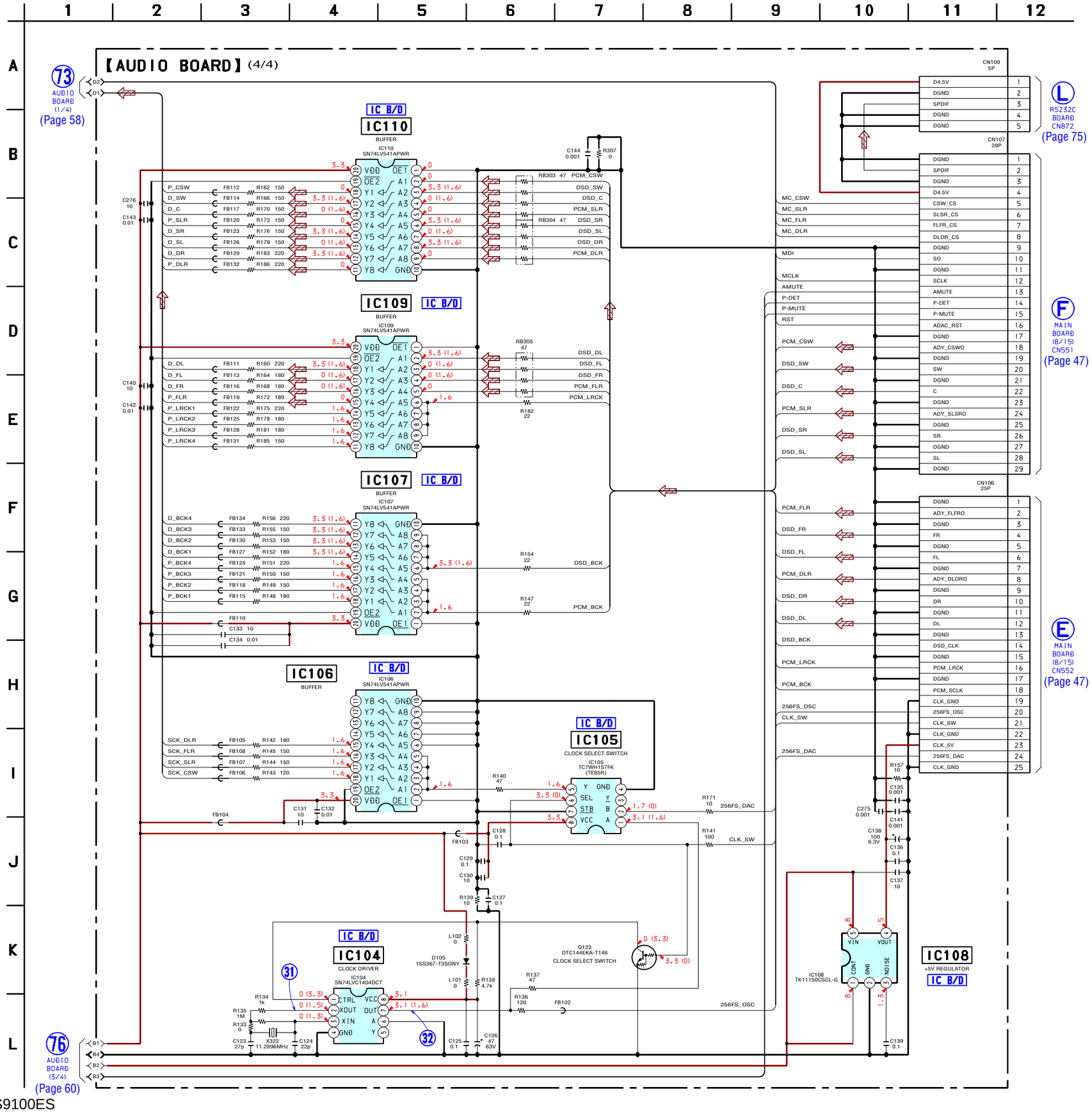
## 7-32. SCHEMATIC DIAGRAM – AUDIO Board (3/4) –

• See page 82 for IC Block Diagrams.



## 7-33. SCHEMATIC DIAGRAM – AUDIO Board (4/4) –

• See page 55 for Waveforms. • See page 82 for IC Block Diagrams.

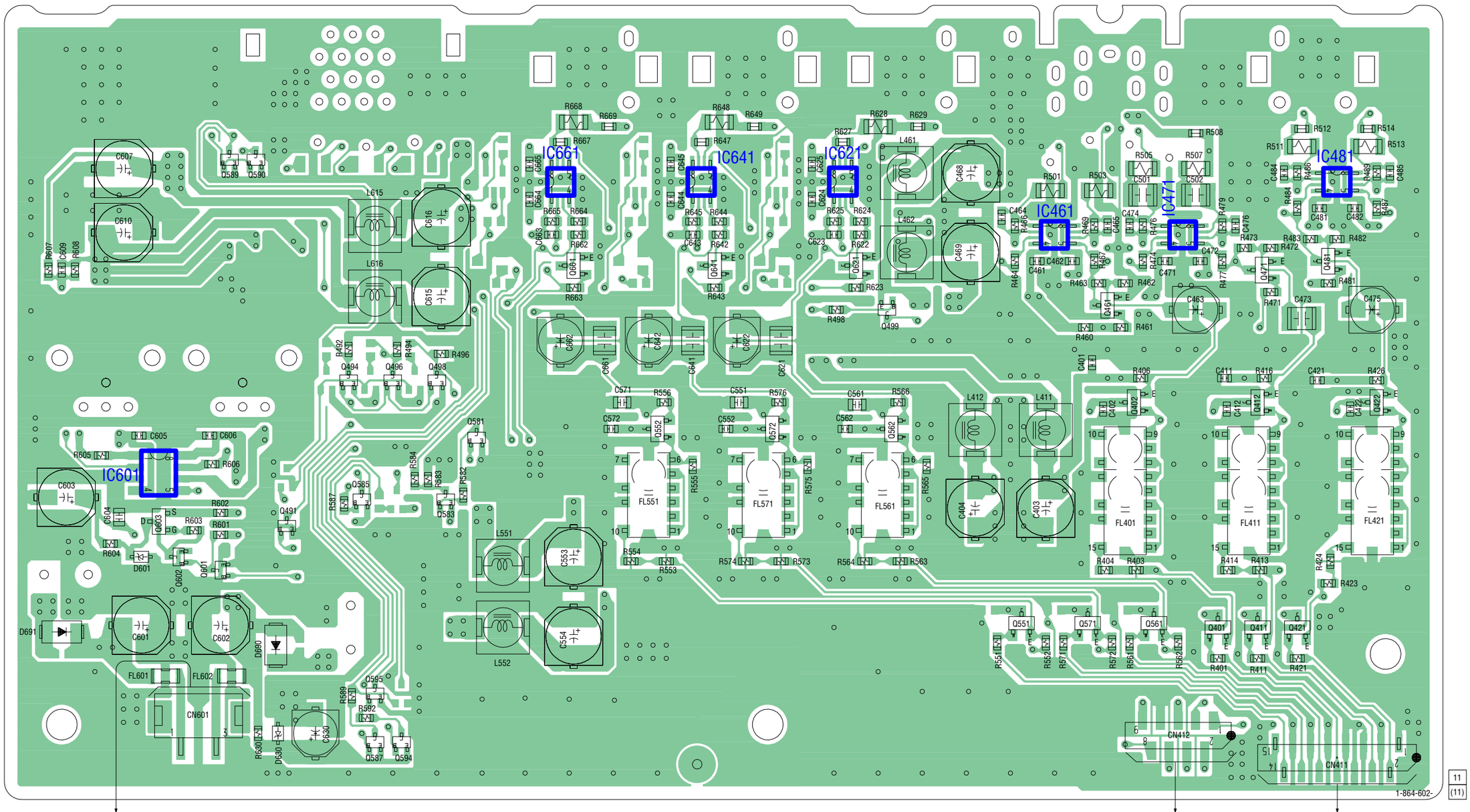


## 7-34. PRINTED WIRING BOARD – VIDEO Board (Component Side) – (US, Canadian, Korean, Chinese models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

【VIDEO BOARD】(COMPONENT SIDE)




M POWER1 BOARD CN907 (Page 78)
H1 MAIN BOARD CN601 (Page 38)
G1 MAIN BOARD CN600 (Page 38)

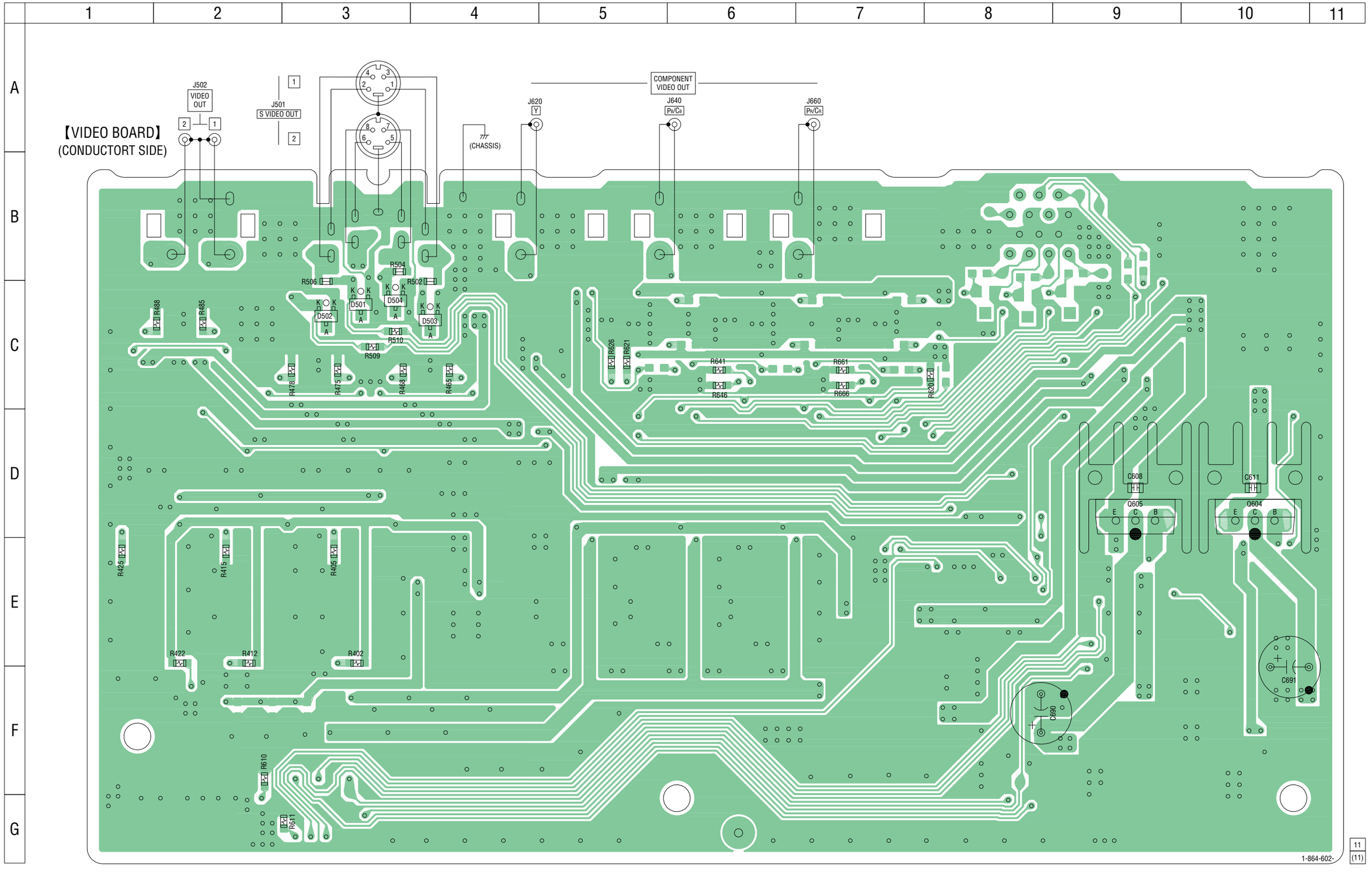
• **Semiconductor Location**

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|---|---|---|---|---|---|
| D601 | E-2 | IC601 | E-2 | Q412 | D-10 | Q496 | D-4 | Q572 | E-6 | Q595 | F-4 |
| D630 | G-3 | IC621 | C-7 | Q421 | F-10 | Q498 | D-4 | Q581 | E-4 | Q601 | E-2 |
| D690 | F-3 | IC641 | C-6 | Q422 | D-10 | Q499 | D-7 | Q583 | E-4 | Q602 | E-2 |
| D691 | F-1 | IC661 | C-5 | Q461 | D-8 | Q551 | F-8 | Q585 | E-3 | Q603 | E-2 |
| | | | | Q471 | C-10 | Q552 | E-5 | Q587 | G-4 | Q621 | C-7 |
| IC461 | C-8 | Q401 | F-9 | Q481 | C-10 | Q561 | F-9 | Q589 | C-3 | Q641 | C-6 |
| IC471 | C-9 | Q402 | D-9 | Q491 | E-3 | Q562 | E-7 | Q590 | C-3 | Q661 | C-5 |
| IC481 | C-10 | Q411 | F-10 | Q494 | D-3 | Q571 | F-8 | Q594 | G-4 | | |

## 7-35. PRINTED WIRING BOARD – VIDEO Board (Conductor Side) – (US, Canadian, Korean, Chinese models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

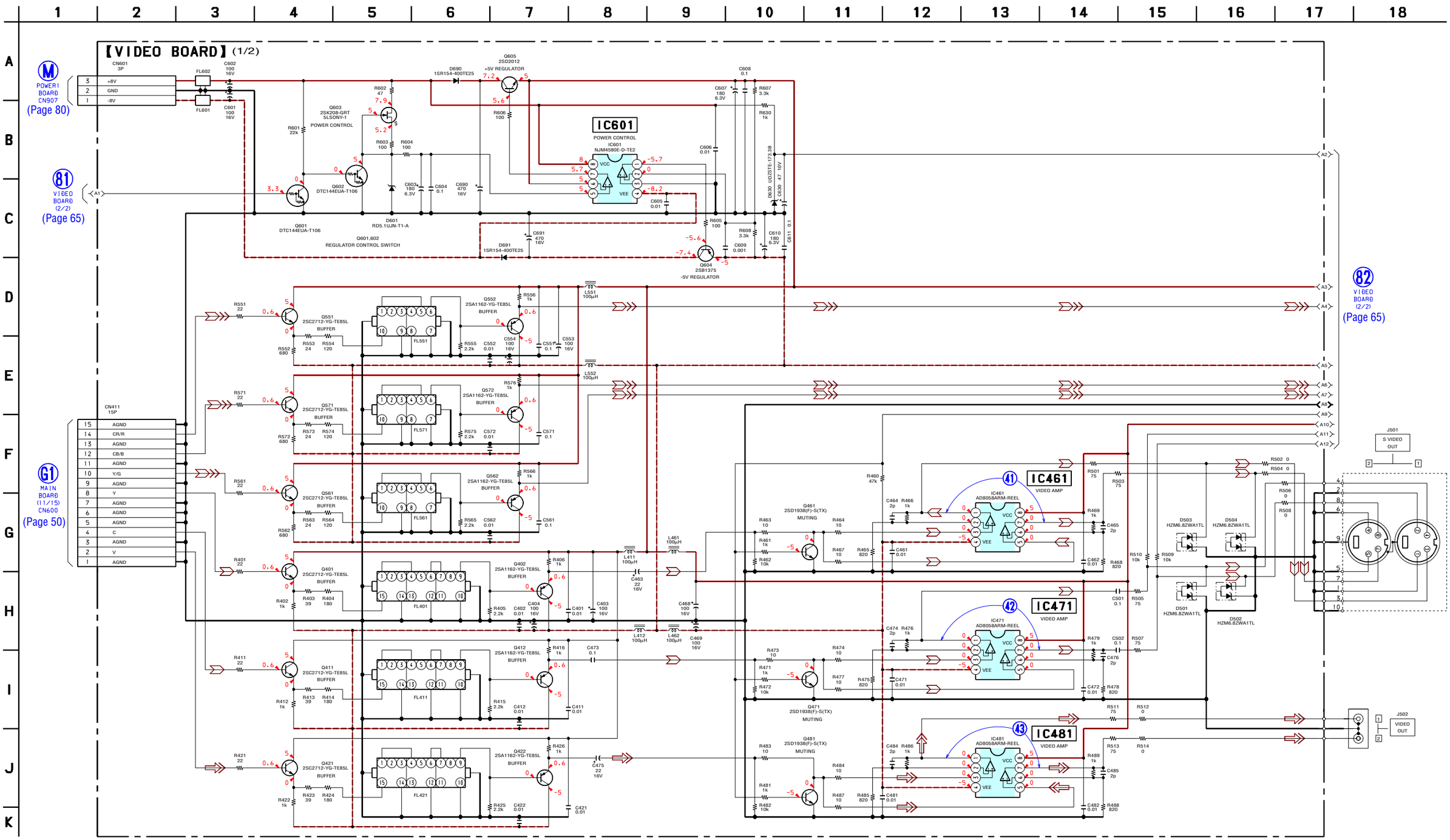



- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D501 | C-3 |
| D502 | C-3 |
| D503 | C-4 |
| D504 | C-3 |
| Q604 | D-10 |
| Q605 | D-9 |

## 7-36. SCHEMATIC DIAGRAM – VIDEO Board (1/2) – (US, Canadian, Korean, Chinese models)

• See page 81 for Waveforms.



## 7-37. SCHEMATIC DIAGRAM – VIDEO Board (2/2) – (US, Canadian, Korean, Chinese models)

• See page 81 for Waveforms.

【VIDEO BOARD】(2/2)

IC661 VIDEO AMP
IC661 AD8058ARM-REEL

IC641 VIDEO AMP
IC641 AD8058ARM-REEL

IC621 VIDEO AMP
IC621 AD8058ARM-REEL

CN412 9P

| | |
|---|---|
| 1 | EUROVY |
| 2 | DISC/EXT |
| 3 | RGBSEL/NT/PAL |
| 4 | DSEL |
| 5 | SQUEEZE |
| 6 | LETTER |
| 7 | DGND |
| 8 | VIDEO_OFF |
| 9 | VMUTE |

H1 MAIN BOARD (11/15) CN601 (Page 50)

81 VIDEO BOARD (1/2) (Page 64)

82 VIDEO BOARD (1/2) (Page 64)

COMPONENT VIDEO OUT

Q491,496,498 WIDE SELECT SWITCH

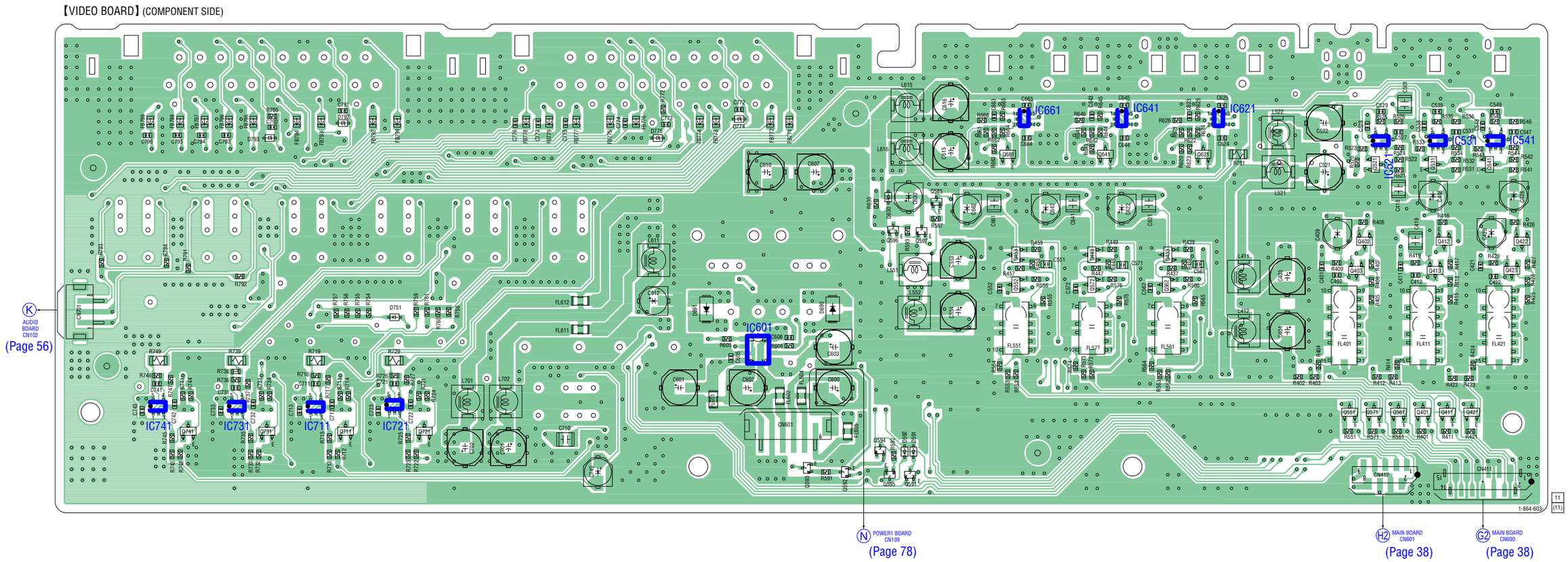
Q499,585,594,595 MUTING CONTROL SWITCH

## 7-38. PRINTED WIRING BOARD – VIDEO Board (Component Side) – (AEP, UK, Russian models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

【VIDEO BOARD】(COMPONENT SIDE)



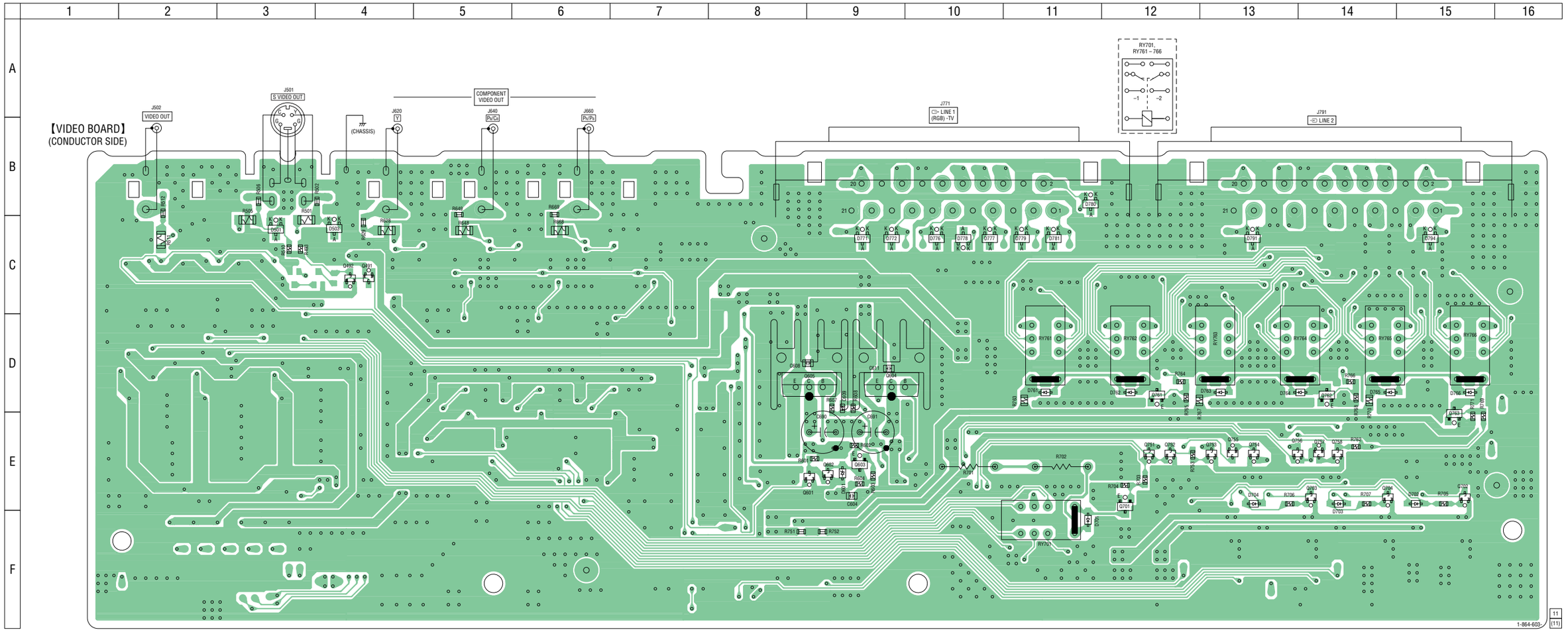

• **Semiconductor Location**

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|
| D591 | F-10 | IC731 | F-3 | Q561 | F-15 |
| D592 | F-10 | IC741 | F-2 | Q562 | D-12 |
| D630 | D-9 | | | Q571 | F-14 |
| D690 | E-9 | Q401 | F-15 | Q572 | D-11 |
| D691 | E-8 | Q402 | D-14 | Q585 | D-10 |
| D751 | E-5 | Q403 | D-14 | Q591 | F-10 |
| D774 | C-8 | Q411 | F-15 | Q592 | F-9 |
| D775 | C-7 | Q412 | D-15 | Q593 | F-9 |
| D792 | C-4 | Q413 | D-15 | Q594 | F-9 |
| D793 | C-3 | Q421 | F-15 | Q595 | F-9 |
| | | Q422 | D-16 | Q596 | D-10 |
| IC521 | C-14 | Q423 | D-16 | Q597 | D-10 |
| IC531 | C-15 | Q433 | D-12 | Q621 | C-13 |
| IC541 | C-16 | Q443 | D-11 | Q641 | C-12 |
| IC601 | E-8 | Q453 | D-11 | Q661 | C-11 |
| IC621 | C-13 | Q521 | C-14 | Q711 | F-4 |
| IC641 | C-12 | Q531 | C-15 | Q721 | F-5 |
| IC661 | C-11 | Q541 | C-15 | Q731 | F-3 |
| IC711 | F-4 | Q551 | F-14 | Q741 | F-3 |
| IC721 | F-5 | Q552 | D-11 | | |

## 7-39. PRINTED WIRING BOARD – VIDEO Board (Conductor Side) – (AEP, UK, Russian models)

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

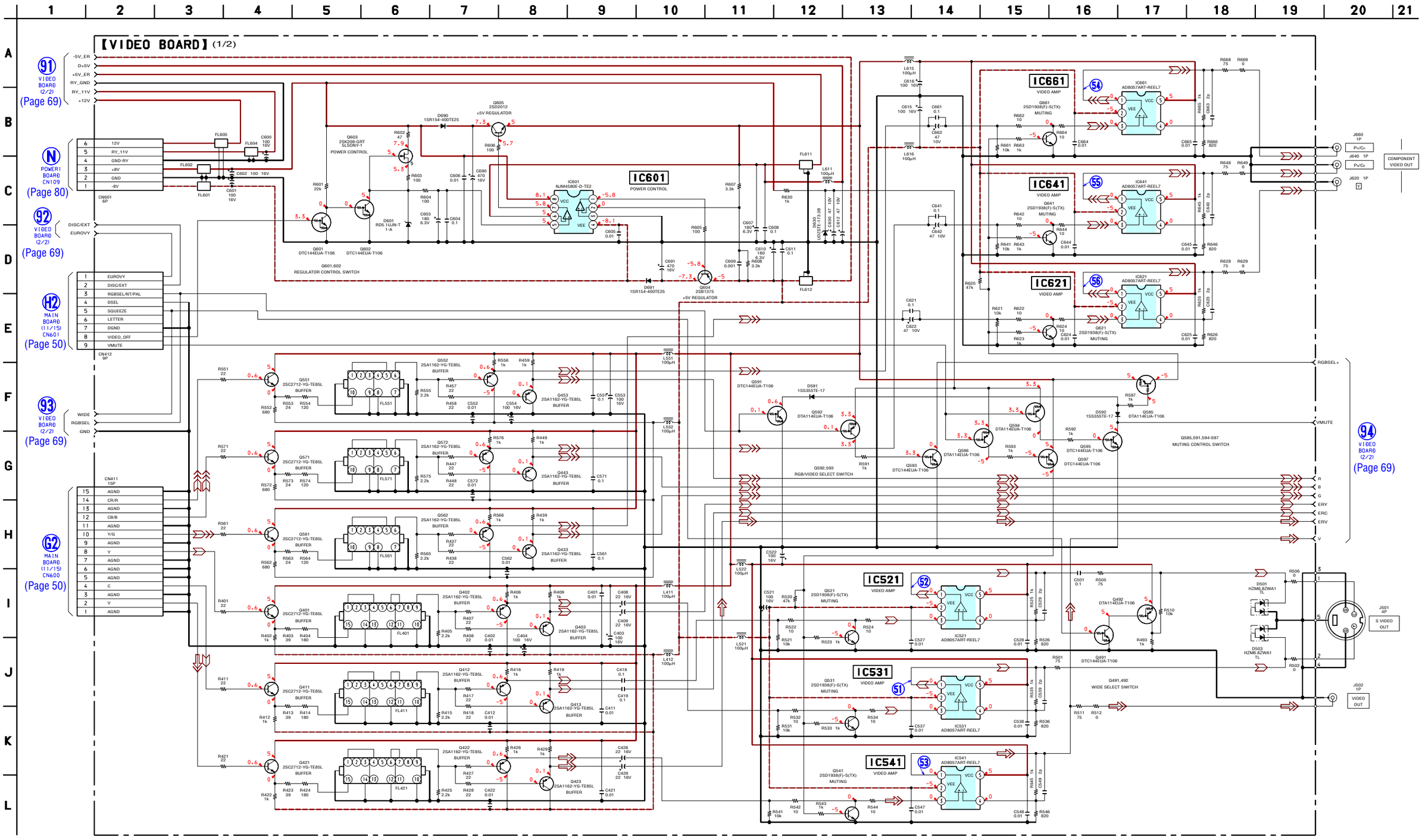



• **Semiconductor Location**

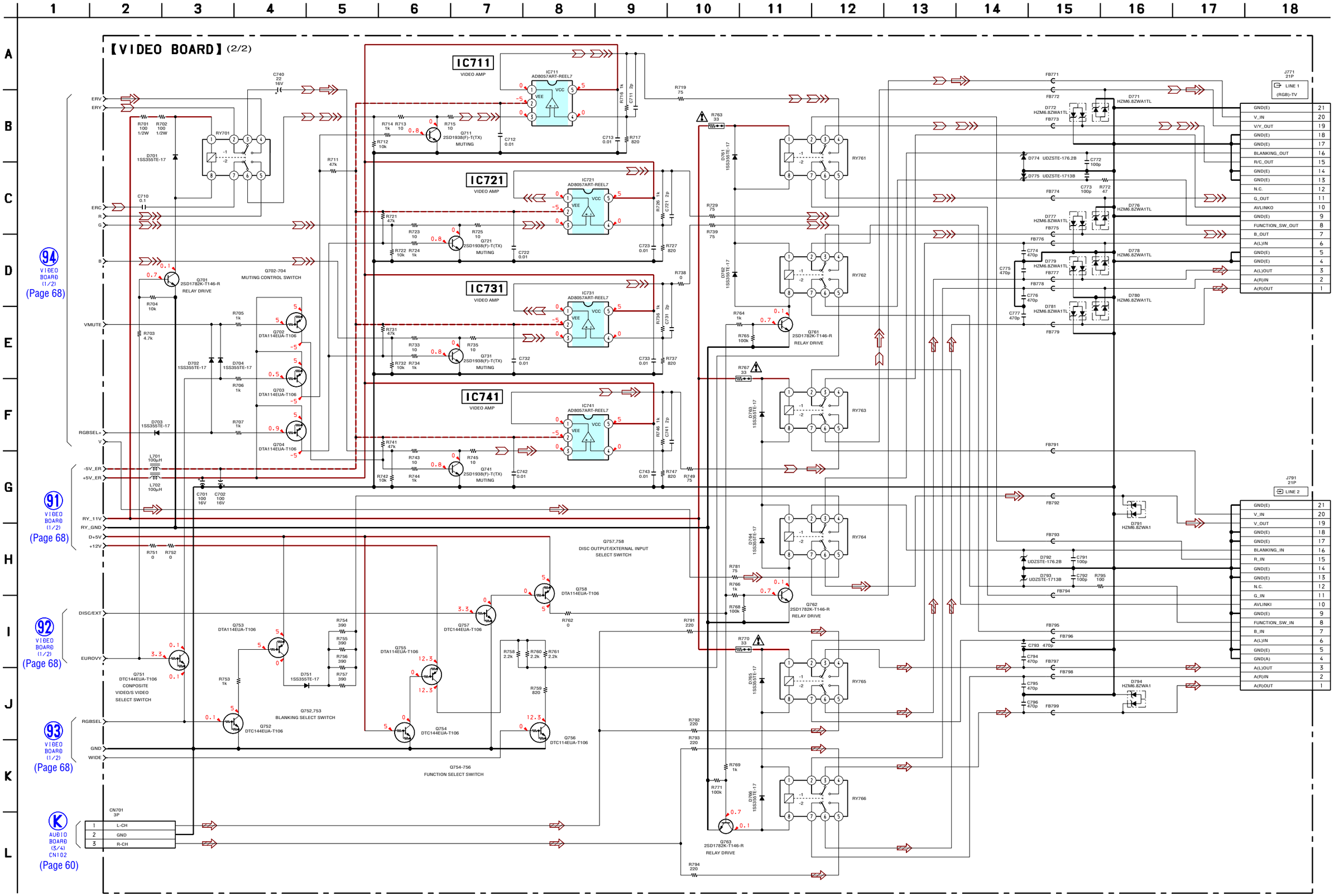
| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D501 | C-3 | Q491 | C-4 |
| D503 | C-4 | Q492 | C-4 |
| D601 | E-9 | Q601 | E-9 |
| D701 | F-11 | Q602 | E-9 |
| D702 | E-15 | Q603 | E-9 |
| D703 | E-14 | Q604 | D-9 |
| D704 | E-13 | Q605 | D-9 |
| D761 | D-11 | Q701 | E-12 |
| D762 | D-12 | Q702 | E-15 |
| D763 | D-13 | Q703 | E-14 |
| D764 | D-14 | Q704 | E-14 |
| D765 | D-14 | Q751 | E-12 |
| D766 | D-15 | Q752 | E-12 |
| D771 | C-9 | Q753 | E-13 |
| D772 | C-9 | Q754 | E-13 |
| D776 | C-10 | Q755 | E-13 |
| D777 | C-10 | Q756 | E-13 |
| D778 | C-10 | Q757 | E-14 |
| D779 | C-11 | Q758 | E-14 |
| D780 | B-11 | Q761 | D-12 |
| D781 | C-11 | Q762 | D-14 |
| D791 | C-13 | Q763 | E-15 |
| D794 | C-15 | | |

## 7-40. SCHEMATIC DIAGRAM – VIDEO Board (1/2) – (AEP, UK, Russian models)

• See page 81 for Waveforms.

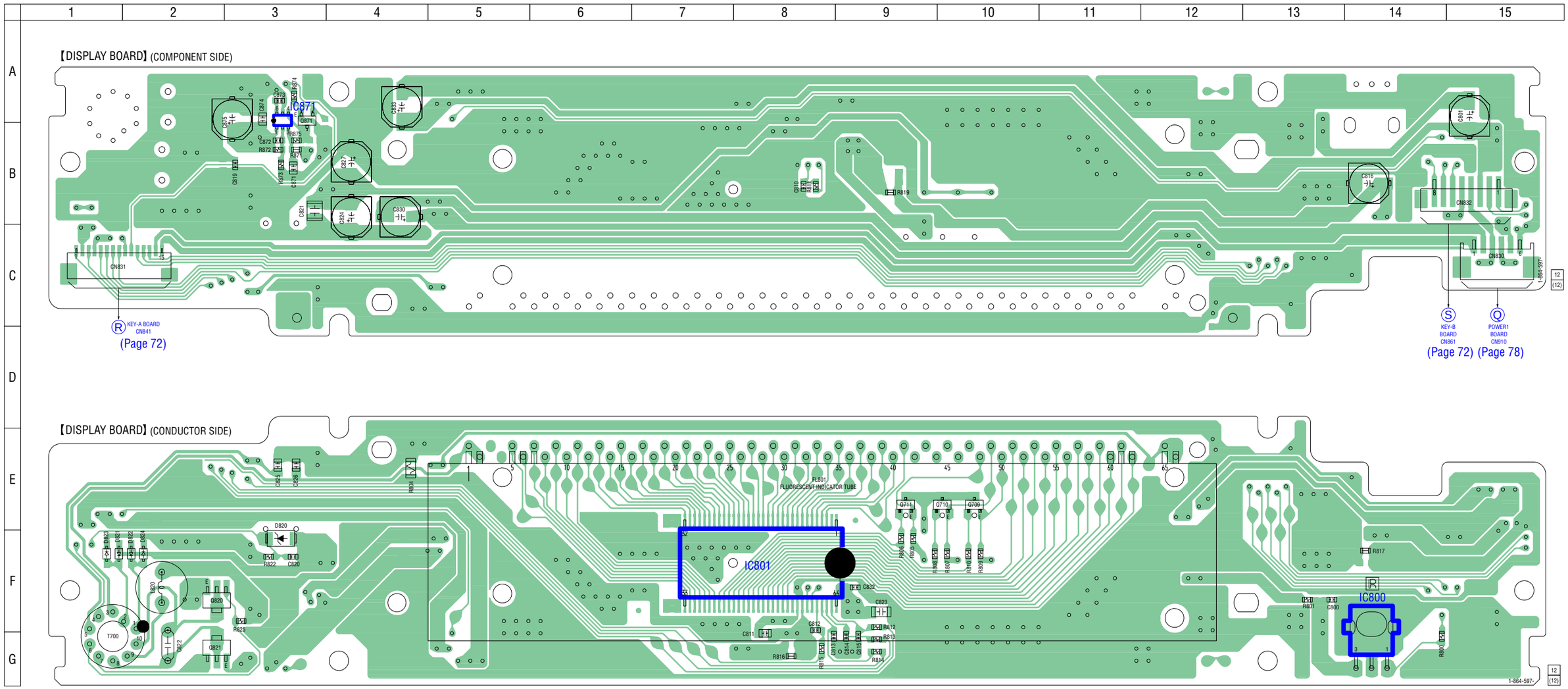


## 7-41. SCHEMATIC DIAGRAM – VIDEO Board (2/2) – (AEP, UK, Russian models)



## 7-42. PRINTED WIRING BOARD – DISPLAY Board –

• See page 35 for Circuit Boards Location.  : Uses unleaded solder.

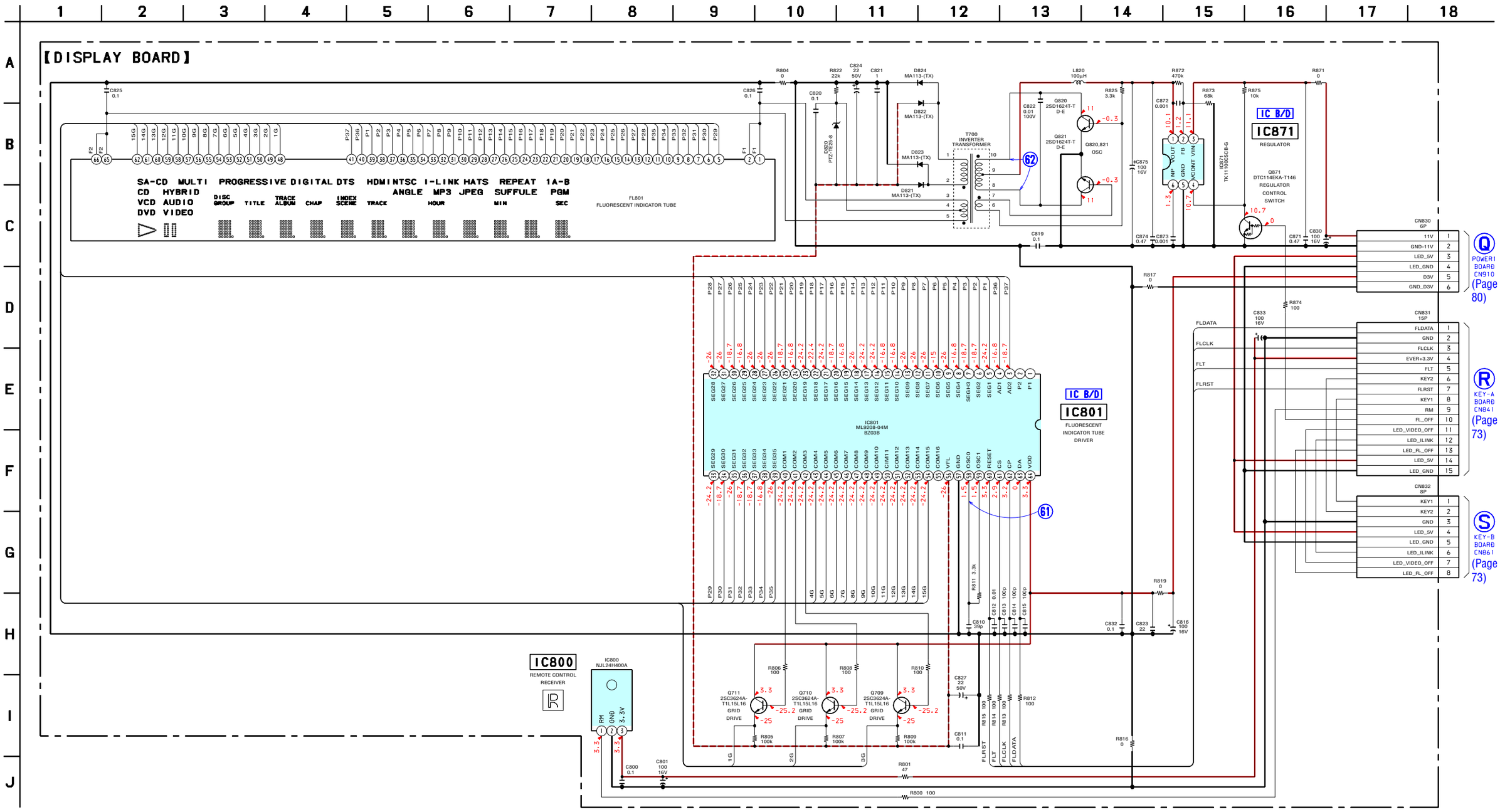



- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D820 | F-3 |
| D821 | F-1 |
| D822 | F-2 |
| D823 | F-1 |
| D824 | F-2 |
| | |
| IC800 | F-14 |
| IC801 | F-8 |
| IC871 | A-3 |
| | |
| Q709 | E-10 |
| Q710 | E-10 |
| Q711 | E-9 |
| Q820 | F-2 |
| Q821 | G-2 |
| Q871 | A-3 |

## 7-43. SCHEMATIC DIAGRAM – DISPLAY Board –

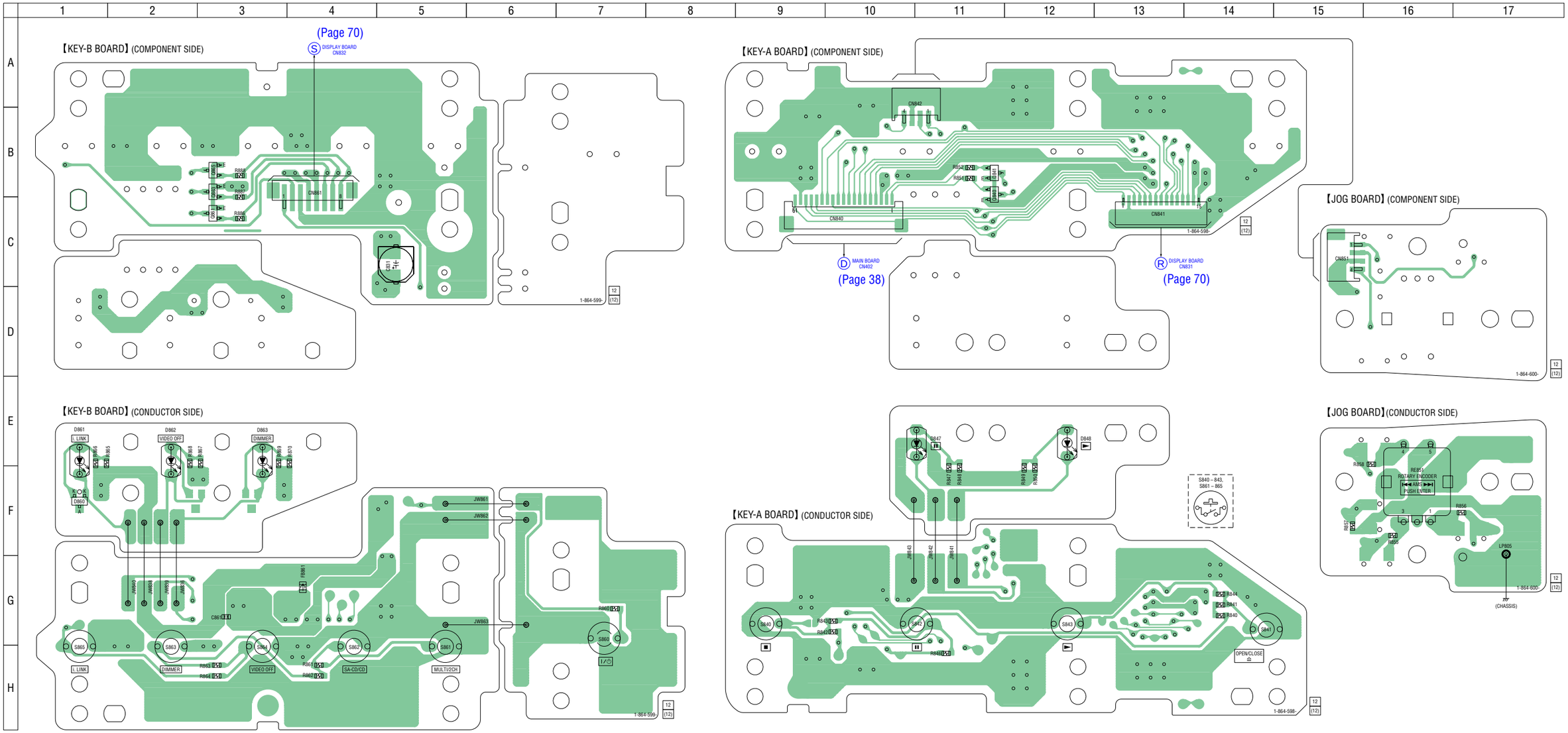
• See page 81 for Waveforms. • See page 82 for IC Block Diagrams.



## 7-44. PRINTED WIRING BOARDS – KEY Section –

• See page 35 for Circuit Boards Location.

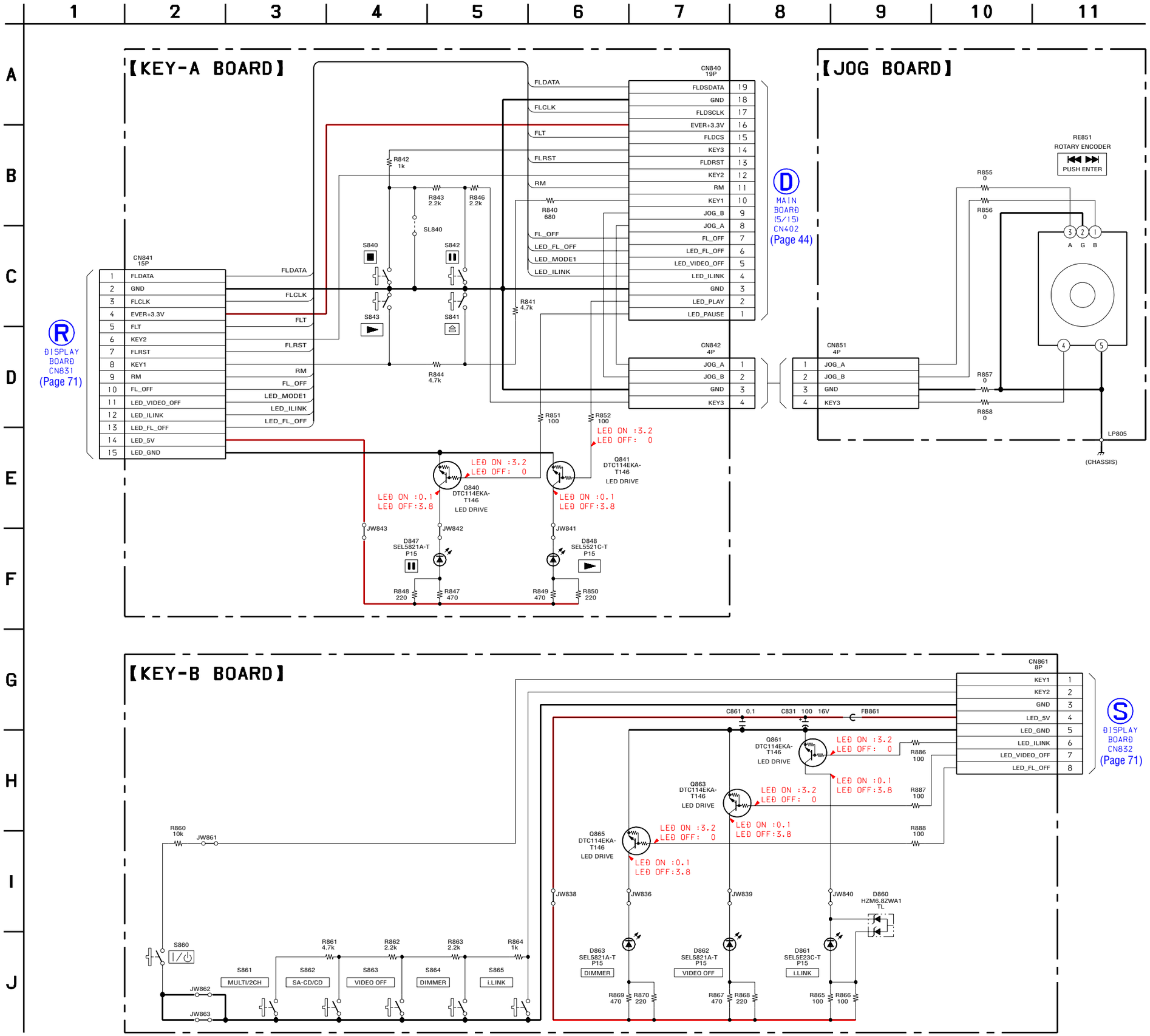
: Uses unleaded solder.




- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D847 | E-11 |
| D848 | E-12 |
| D860 | F-1 |
| D861 | E-1 |
| D862 | E-2 |
| D863 | E-3 |
| | |
| Q840 | B-10 |
| Q841 | B-11 |
| Q861 | C-3 |
| Q863 | B-3 |
| Q865 | B-3 |

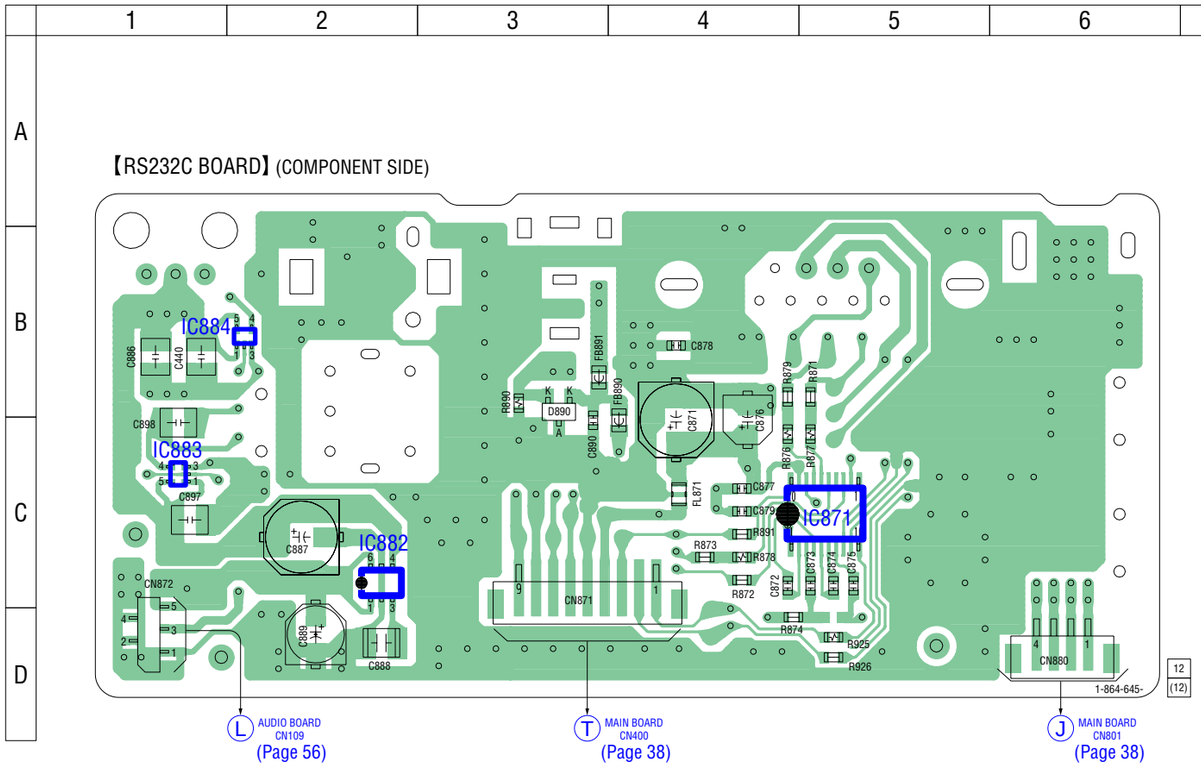
## 7-45. SCHEMATIC DIAGRAM – KEY Section –

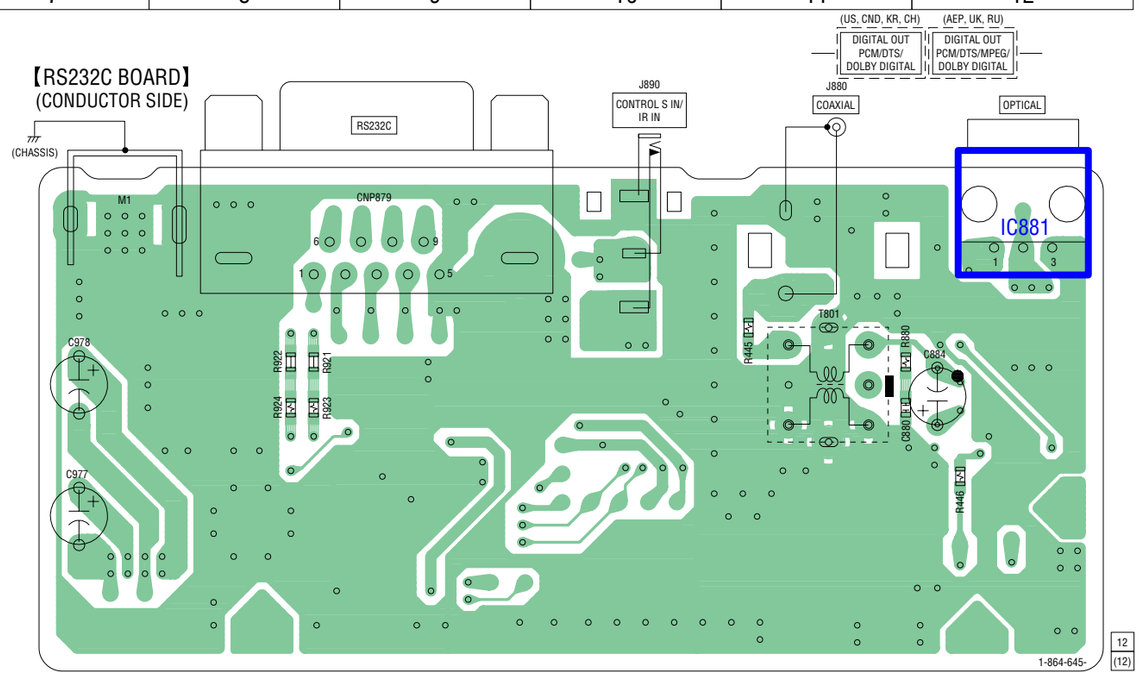


## 7-46. PRINTED WIRING BOARD – RS232C Board –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.



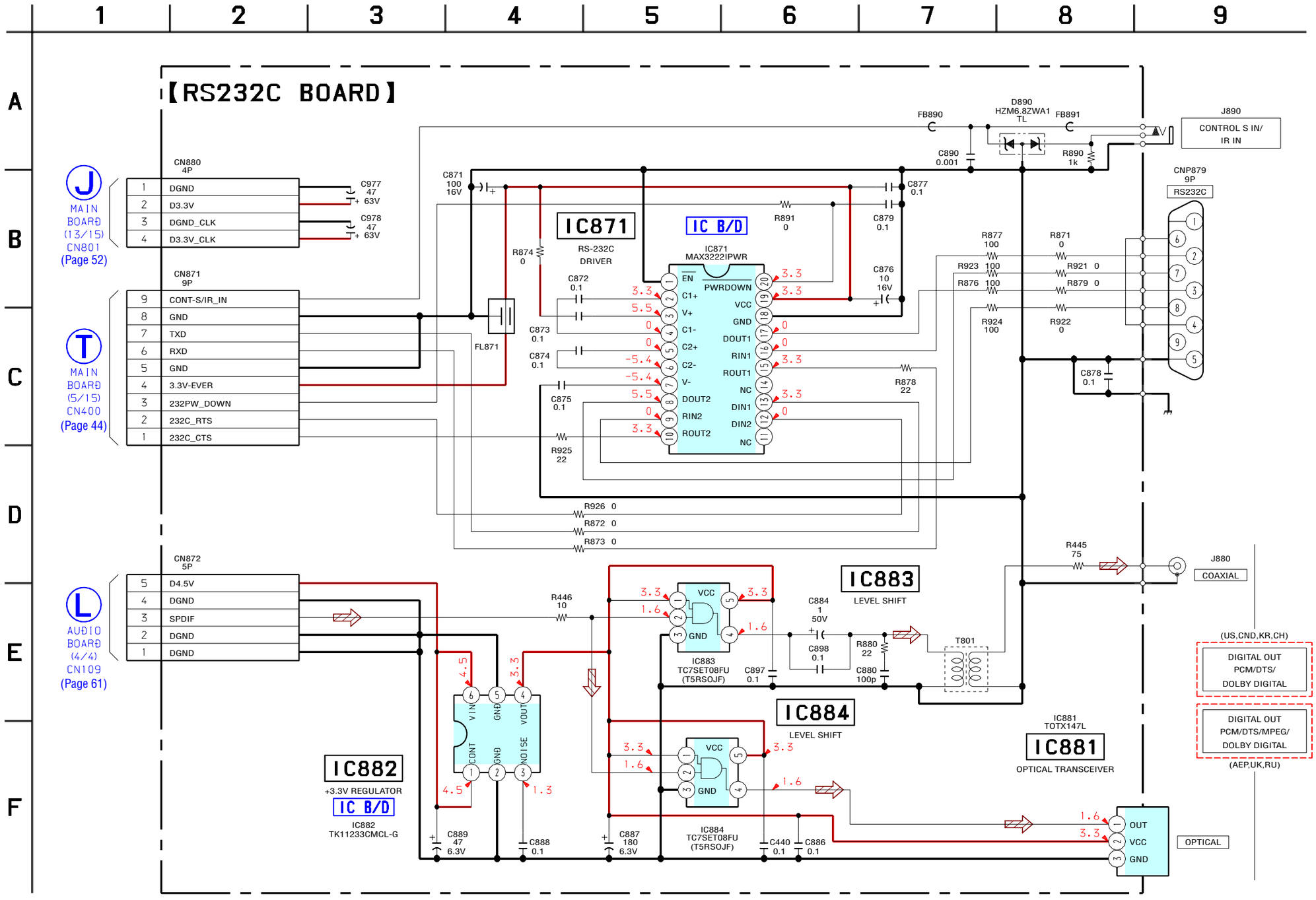




- **Semiconductor Location**

| Ref. No. | Location |
|---|---|
| D890 | B-3 |
| IC871 | C-5 |
| IC881 | B-12 |
| IC882 | C-2 |
| IC883 | C-1 |
| IC884 | B-2 |

## 7-47. SCHEMATIC DIAGRAM – RS232C Board –

• See page 82 for IC Block Diagrams.

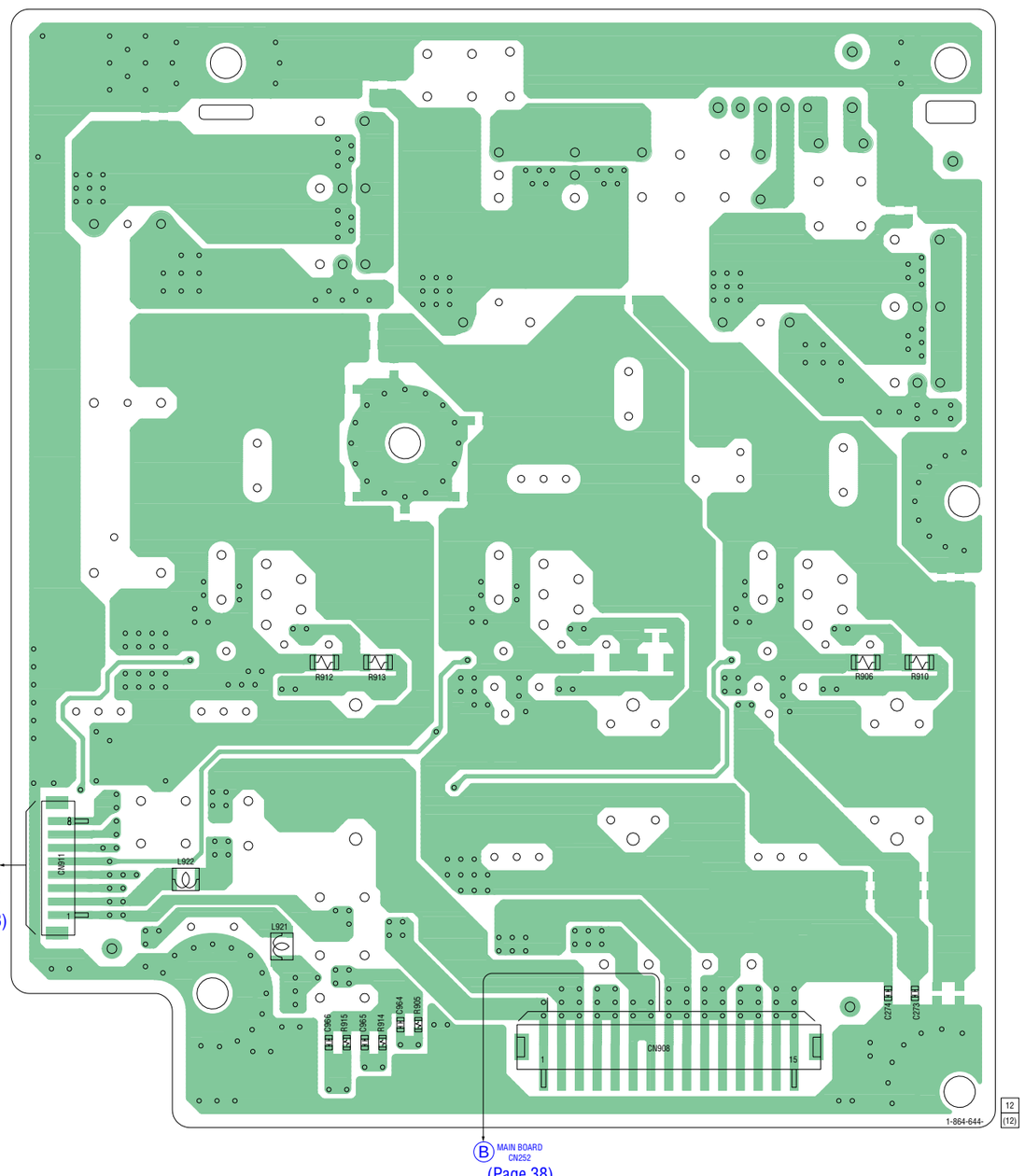


## 7-48. PRINTED WIRING BOARD – POWER2 Board –

• See page 35 for Circuit Boards Location.

: Uses unleaded solder.

【POWER2 BOARD 】(COMPONENT SIDE)



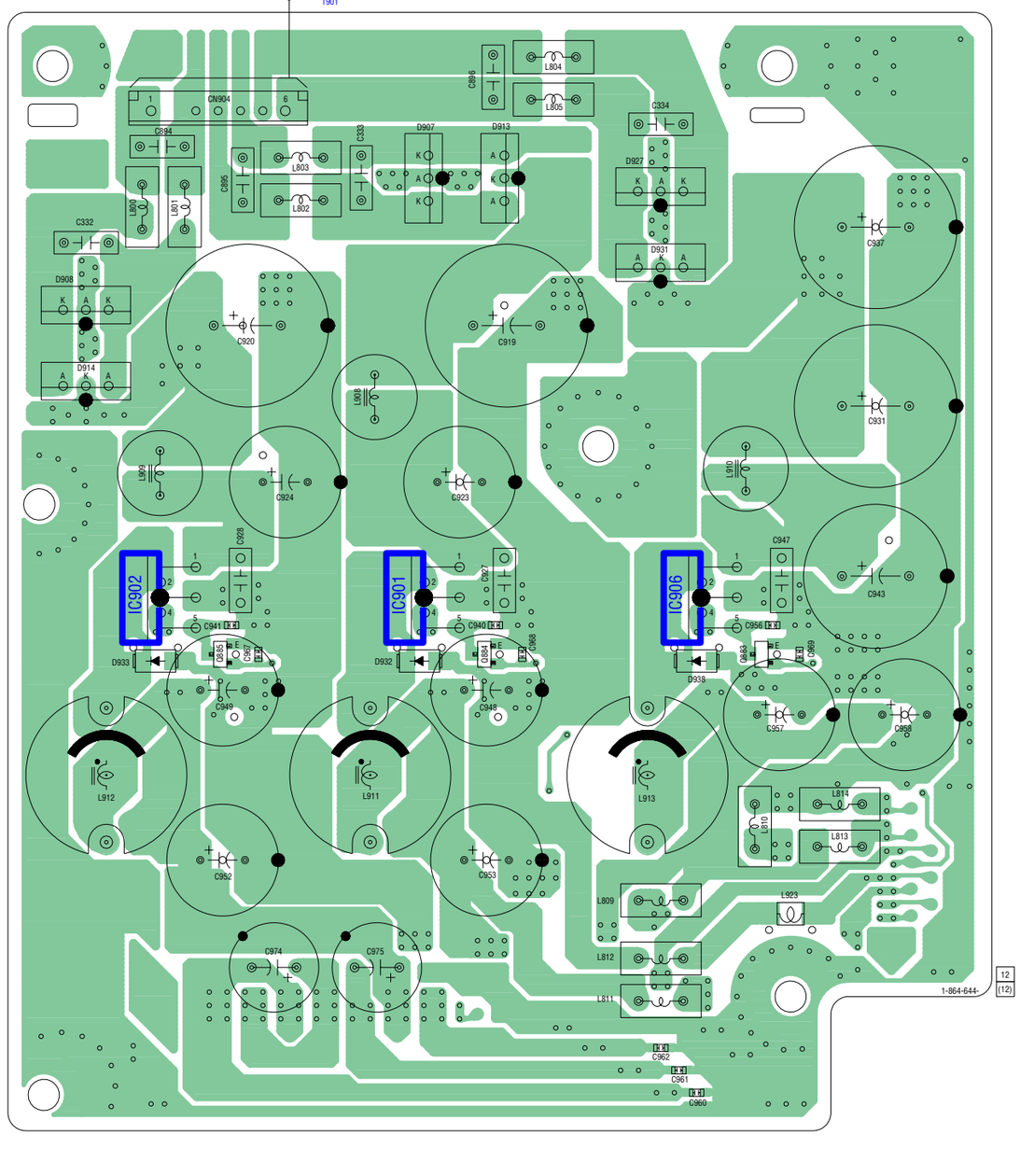

U POWER1 BOARD CN113 (Page 78)

B MAIN BOARD CN252 (Page 38)

【POWER2 BOARD】(CONDUCTOR SIDE)

(Page 79)

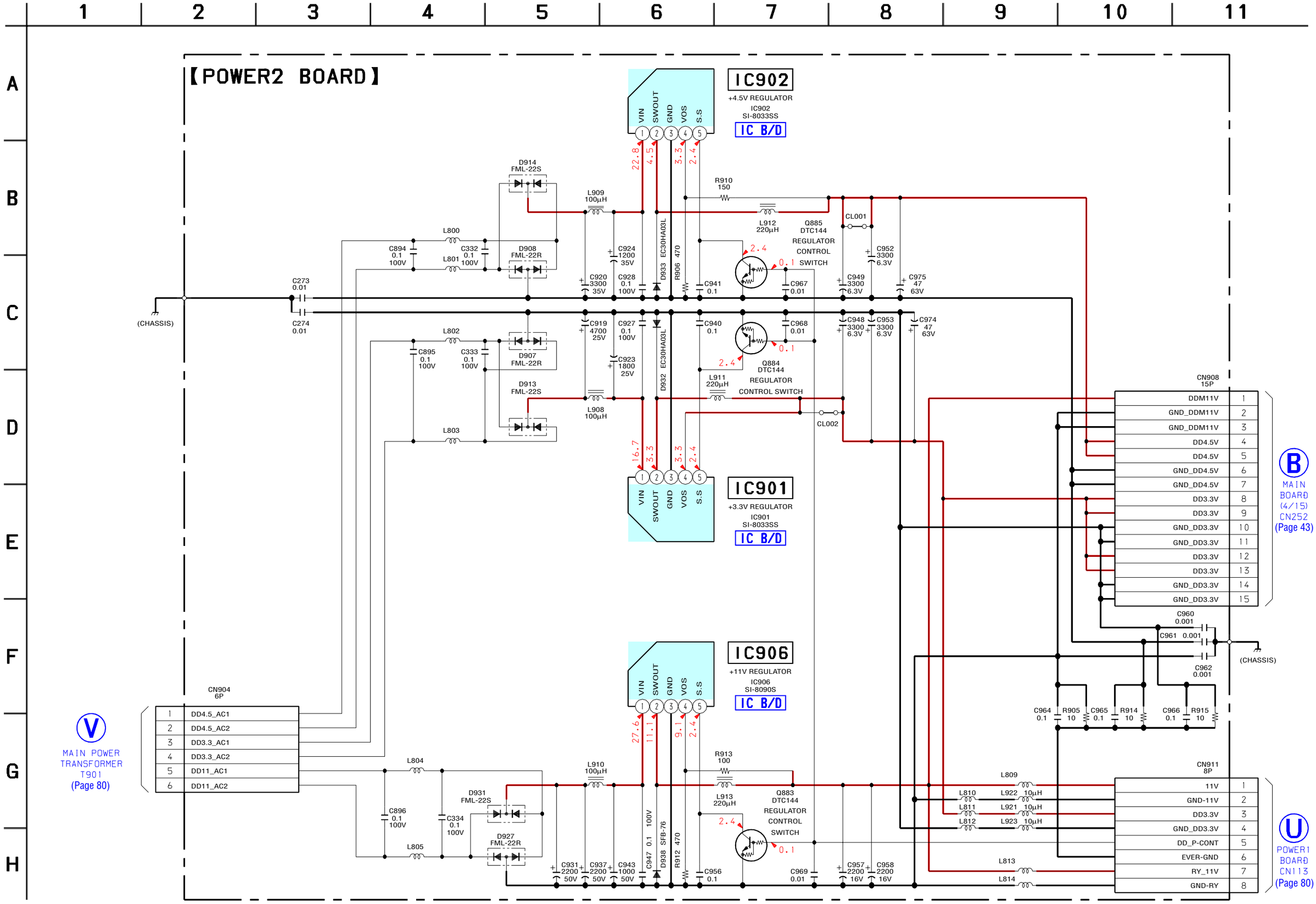
V MAIN POWER TRANSFORMER T901




- **Semiconductor Location**

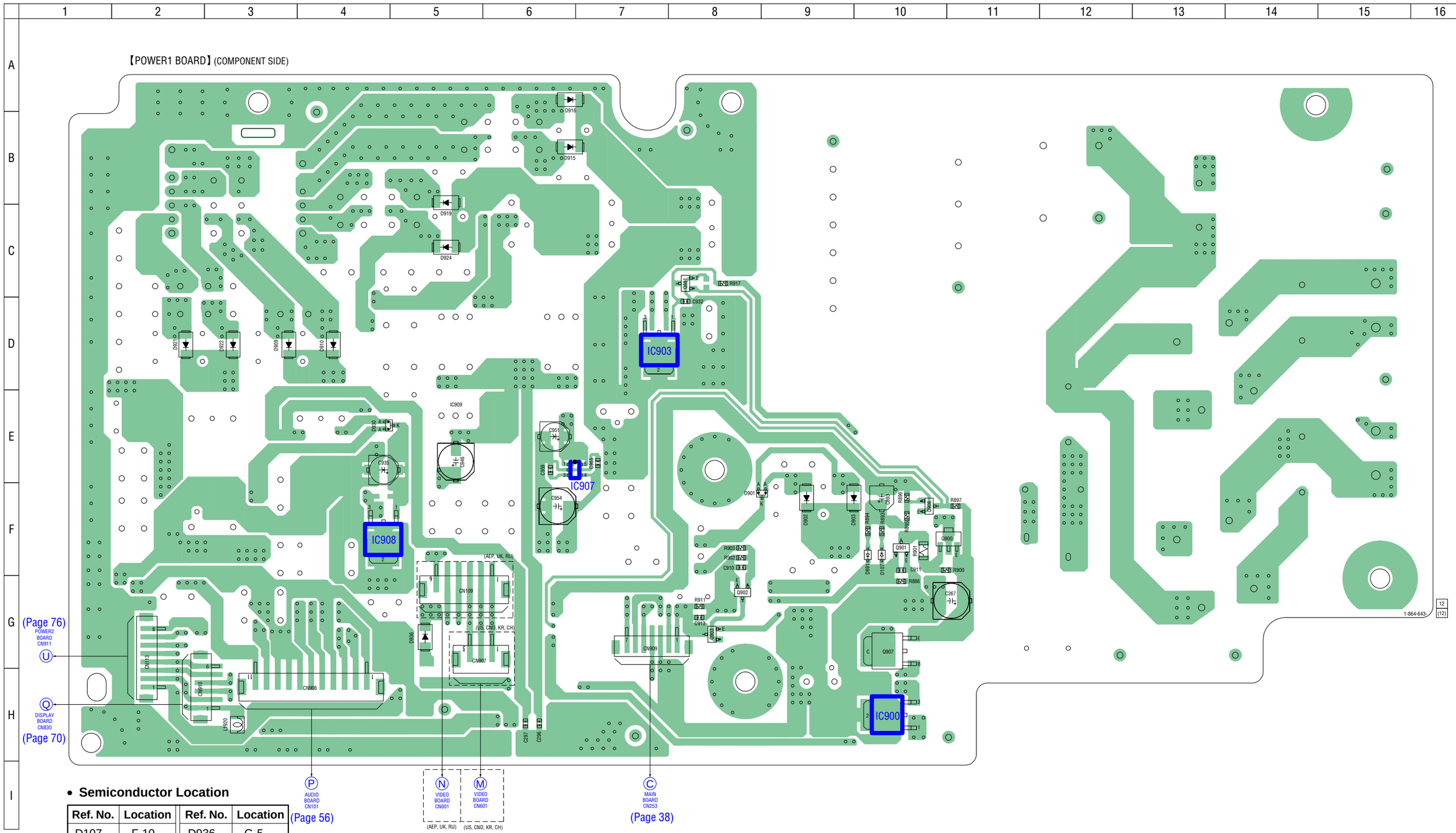
| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D907 | B-11 | IC901 | E-11 |
| D908 | C-9 | IC902 | E-9 |
| D913 | B-12 | IC906 | E-13 |
| D914 | D-9 | | |
| D927 | B-13 | Q883 | E-13 |
| D931 | C-13 | Q884 | E-12 |
| D932 | E-11 | Q885 | E-10 |
| D933 | E-9 | | |
| D938 | E-13 | | |

## 7-49. SCHEMATIC DIAGRAM – POWER2 Board – • See page 82 for IC Block Diagrams.



## 7-50. PRINTED WIRING BOARD – POWER1 Board (Component Side) –

• See page 35 for Circuit Boards Location. : Uses unleaded solder.

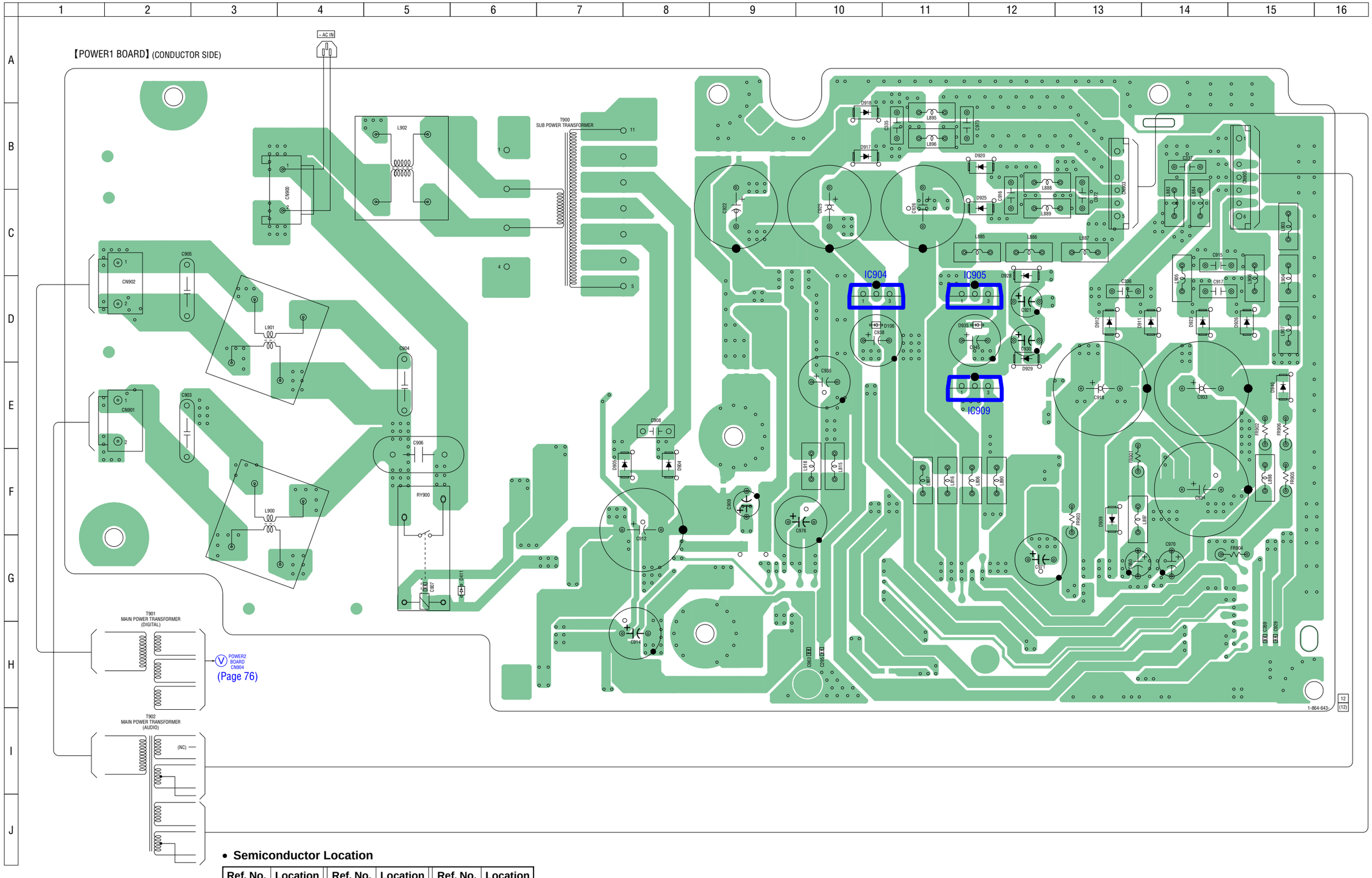



• **Semiconductor Location**

| Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|
| D107 | F-10 | D936 | G-5 |
| D891 | F-10 | | |
| D901 | F-9 | IC900 | H-10 |
| D902 | F-9 | IC903 | D-7 |
| D903 | F-9 | IC907 | E-6 |
| D909 | D-3 | IC908 | F-4 |
| D910 | D-4 | | |
| D915 | B-6 | Q881 | C-8 |
| D916 | A-6 | Q900 | F-11 |
| D919 | B-5 | Q901 | F-10 |
| D921 | D-2 | Q902 | G-8 |
| D922 | D-3 | Q903 | G-8 |
| D924 | C-5 | Q906 | F-10 |
| D930 | E-4 | Q907 | G-10 |

## 7-51. PRINTED WIRING BOARD – POWER1 Board (Conductor Side) –

• See page 35 for Circuit Boards Location.  : Uses unleaded solder.

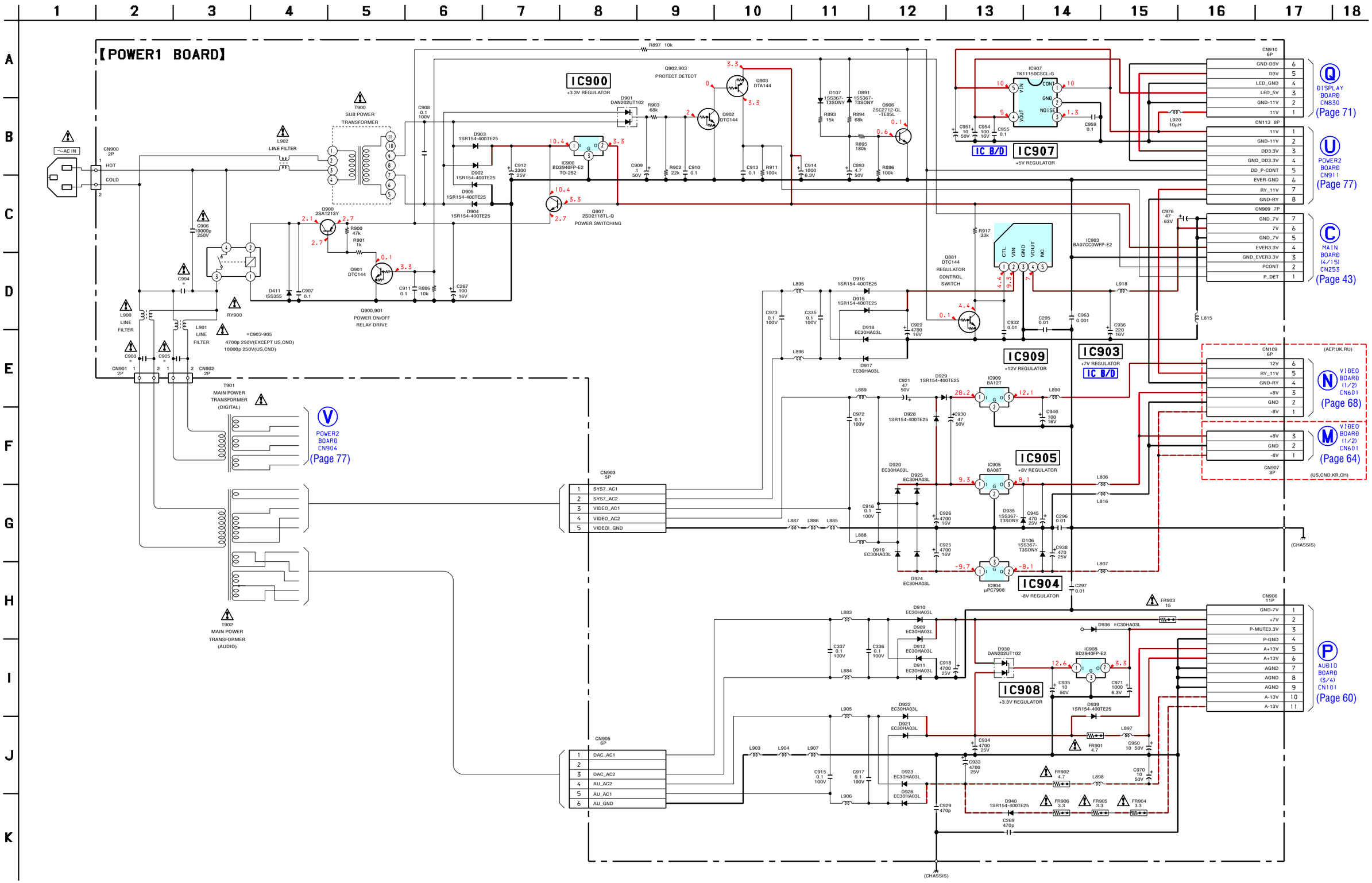



• **Semiconductor Location**

| Ref. No. | Location | Ref. No. | Location | Ref. No. | Location |
|---|---|---|---|---|---|
| D106 | D-10 | D918 | B-10 | D935 | D-12 |
| D411 | G-6 | D920 | B-12 | D939 | F-13 |
| D904 | F-8 | D923 | D-14 | D940 | E-15 |
| D905 | F-8 | D925 | C-12 | | |
| D911 | D-14 | D926 | D-15 | IC904 | D-10 |
| D912 | D-13 | D928 | C-12 | IC905 | D-12 |
| D917 | B-10 | D929 | D-12 | IC909 | E-12 |

## 7-52. SCHEMATIC DIAGRAM – POWER1 Board –

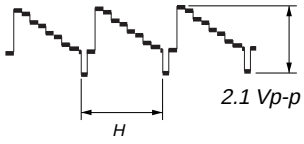
• See page 82 for IC Block Diagrams.



• **Waveforms**

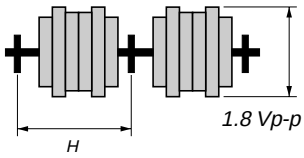
**– VIDEO Board – (US, Canadian, Korean, Chinese models)**

**(41) IC461 ①, ⑦ (Color bar)**



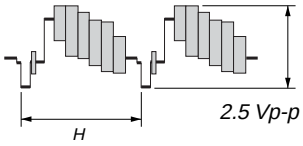

*1 V/DIV, 20 µs/DIV*

**(42) IC471 ①, ⑦ (Color bar)**



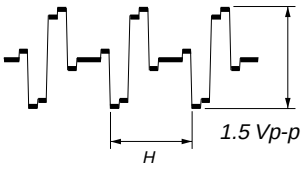

*1 V/DIV, 20 µs/DIV*

**(43) IC481 ①, ⑦ (Color bar)**



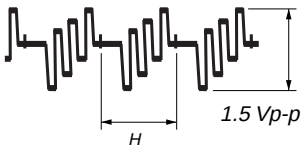

*1 V/DIV, 20 µs/DIV*

**(44) IC661 ⑦ (Color bar)**



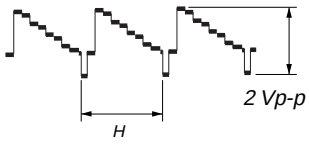

*500 mV/DIV, 20 µs/DIV*

**(45) IC641 ⑦ (Color bar)**




*500 mV/DIV, 20 µs/DIV*

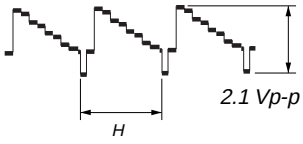
**(46) IC621 ⑦ (Color bar)**




*1 V/DIV, 20 µs/DIV*

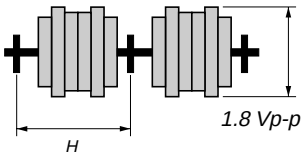
**– VIDEO Board – (AEP, UK, Russian models)**

**(51) IC531 ① (Color bar)**



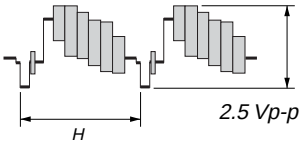

*1 V/DIV, 20 µs/DIV*

**(52) IC521 ① (Color bar)**



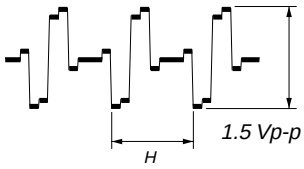

*1 V/DIV, 20 µs/DIV*

**(53) IC541 ① (Color bar)**



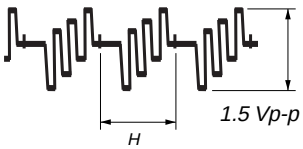

*1 V/DIV, 20 µs/DIV*

**(54) IC661 ① (Color bar)**



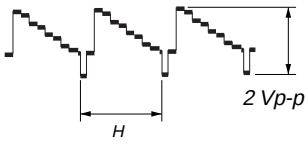

*500 mV/DIV, 20 µs/DIV*

**(55) IC641 ① (Color bar)**




*500 mV/DIV, 20 µs/DIV*

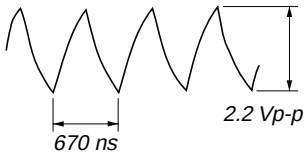
**(56) IC621 ① (Color bar)**




*1 V/DIV, 20 µs/DIV*

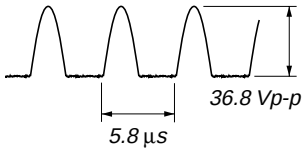
**– DISPLAY Board –**

**(61) IC801 ㊽ (OSC0)**




*1 V/DIV, 200 ns/DIV*

**(62) Q820, 821 (Collector)**

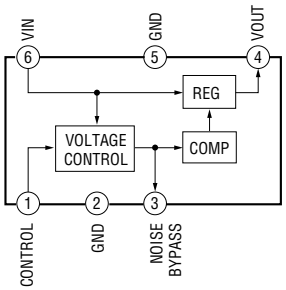



*20 V/DIV, 5 µs/DIV*

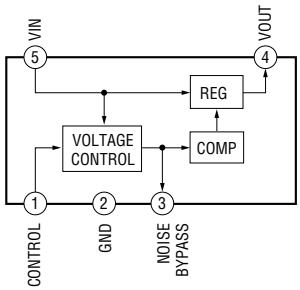
- **IC Block Diagrams**

**– MAIN Board –**

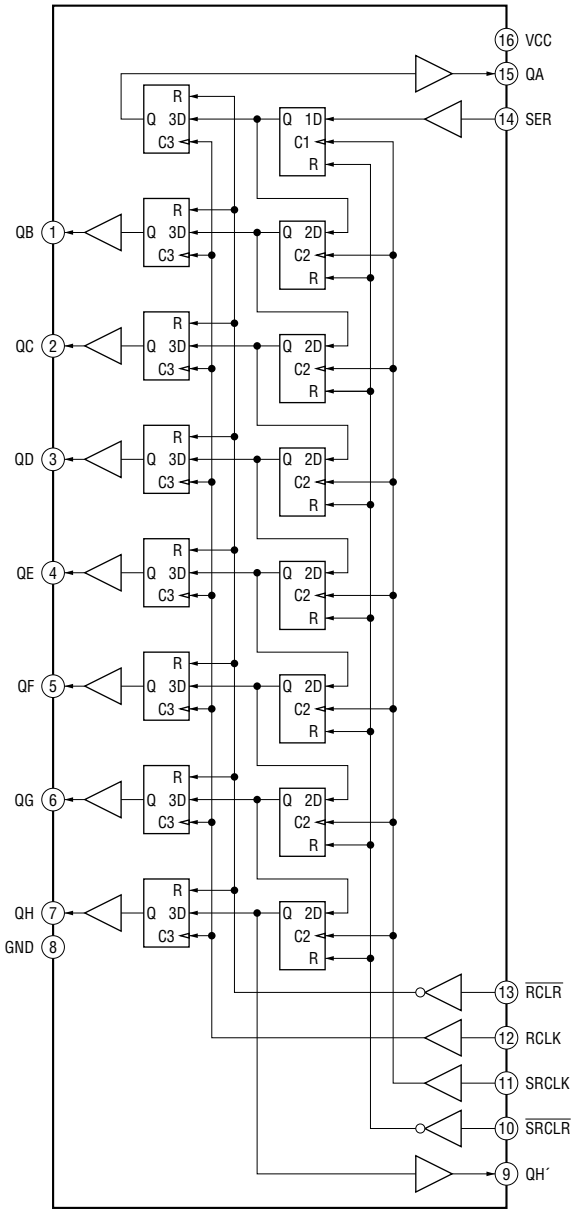
**IC118, 618 TK11218CMCL-G**
**IC150 TK11250CMCL-G**
**IC233, 803, 813, 833 TK11233CMCL-G**
**IC625 TK11225CMCL-G**



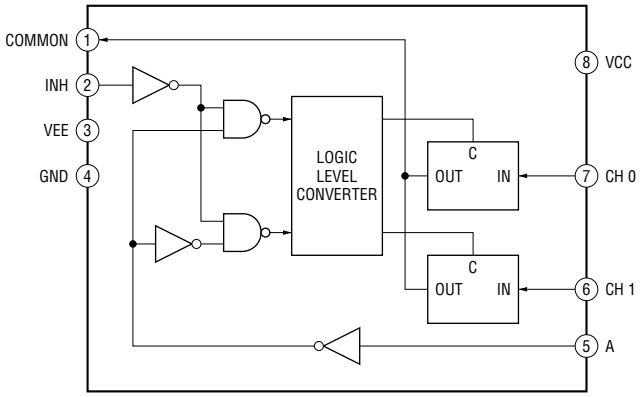

**IC218, 308, 508, 518, 628, 718 TK11118CSCL-G**
**IC623, 643, 723, 733 TK11133CSCL-G**
**IC650 TK11150CSCL-G**
**IC725 TK11125CSCL-G**
**IC933 TK11134CSCL-G**



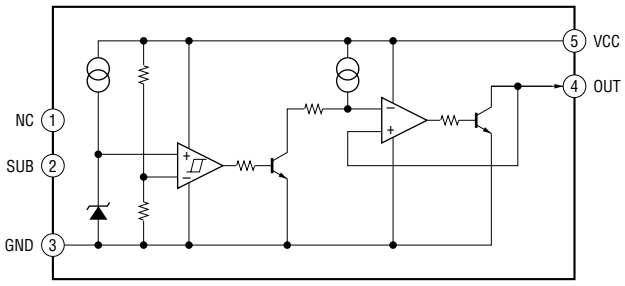

**IC257 SN74LV594APWR**



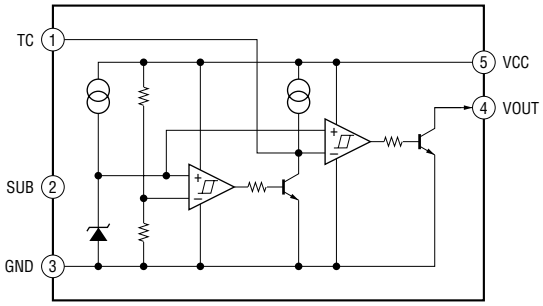

**IC402 TC7W53FU (TE12R)**



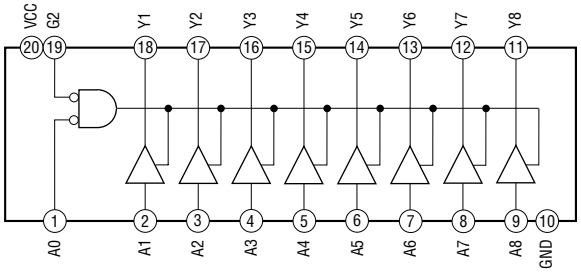

**IC405 PST9127NL**



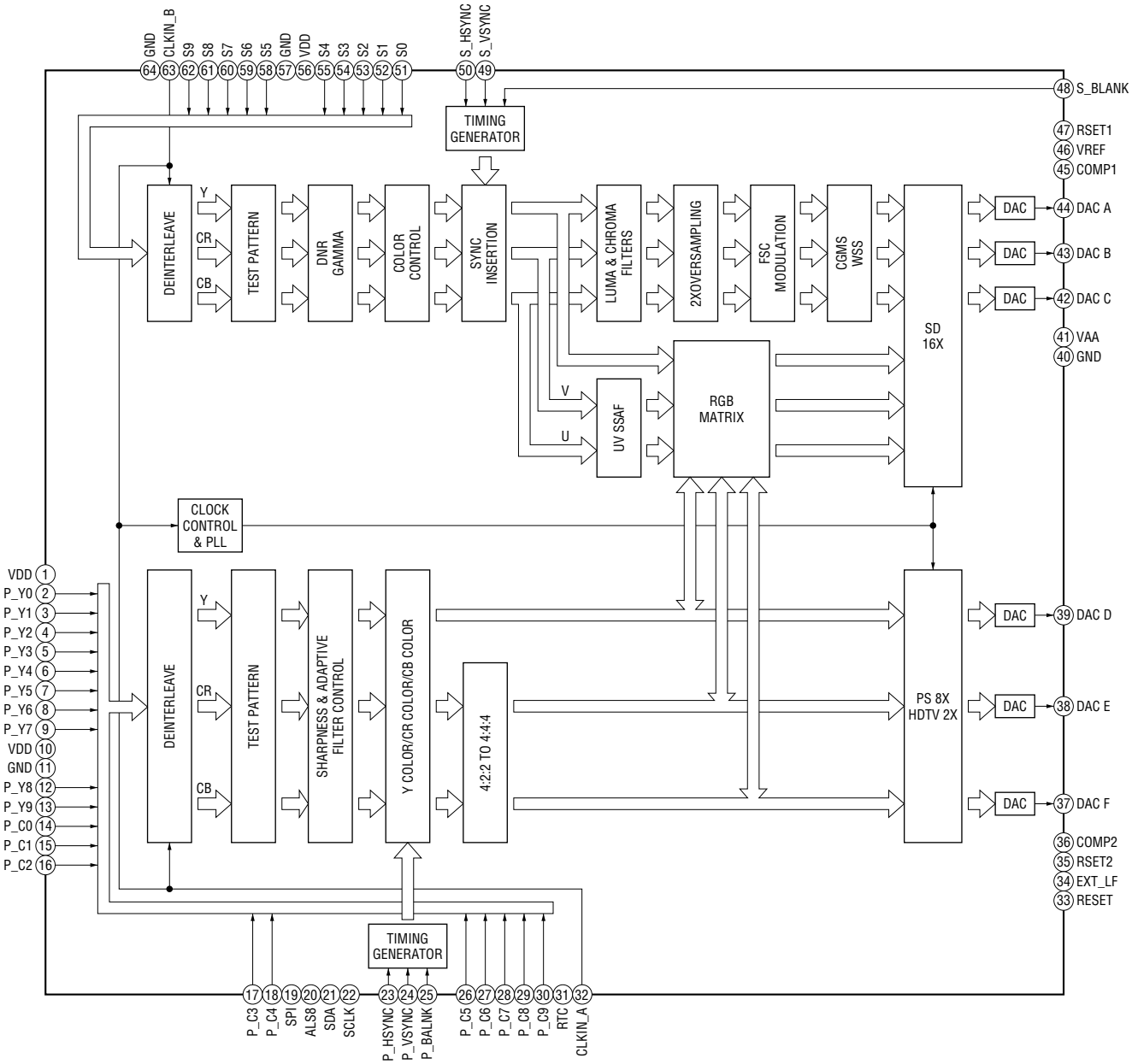

**IC406, 407 PST9228NL**



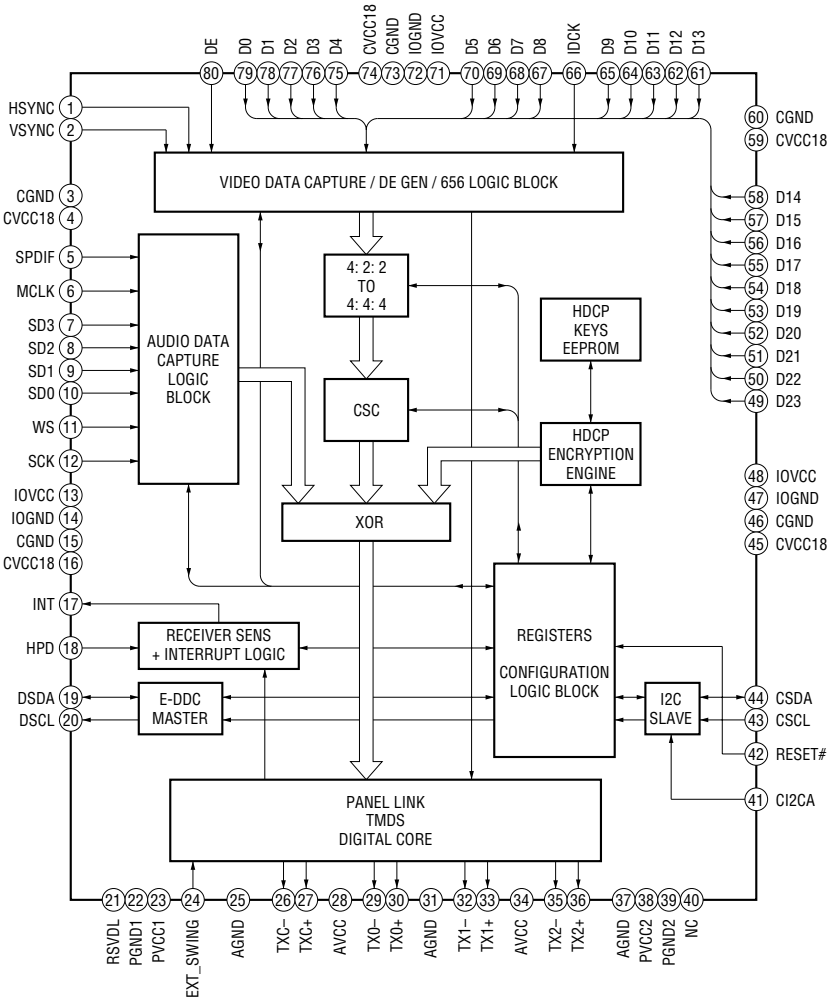
## IC504, 554, 556, 921 SN74LV541APWR



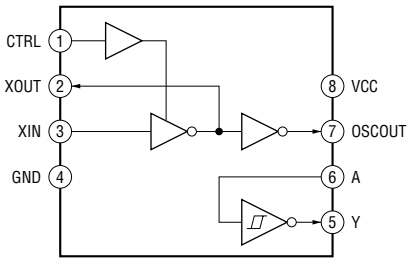

## IC606 ADV7324KSTZ



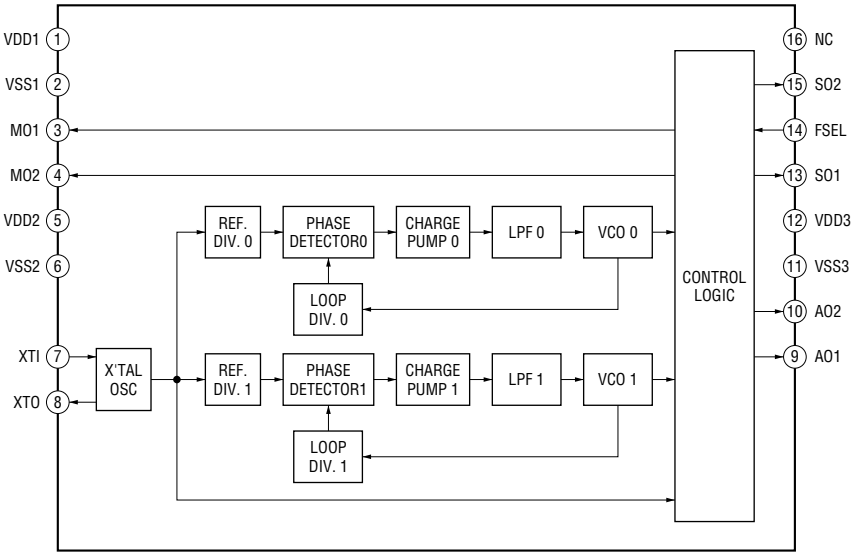
## IC607 SII9030CTU-1.1



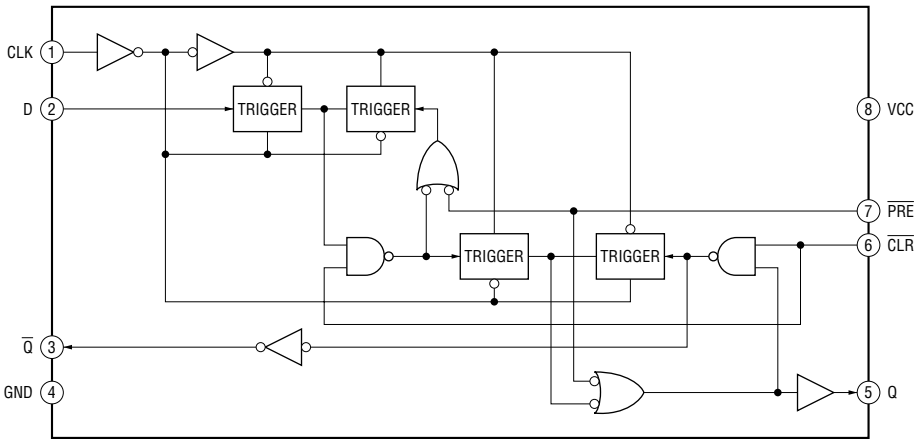

## IC802 SN74LVC1404DCTRE6



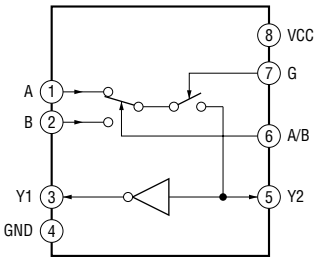

## IC911 SM8707EV-G-E2



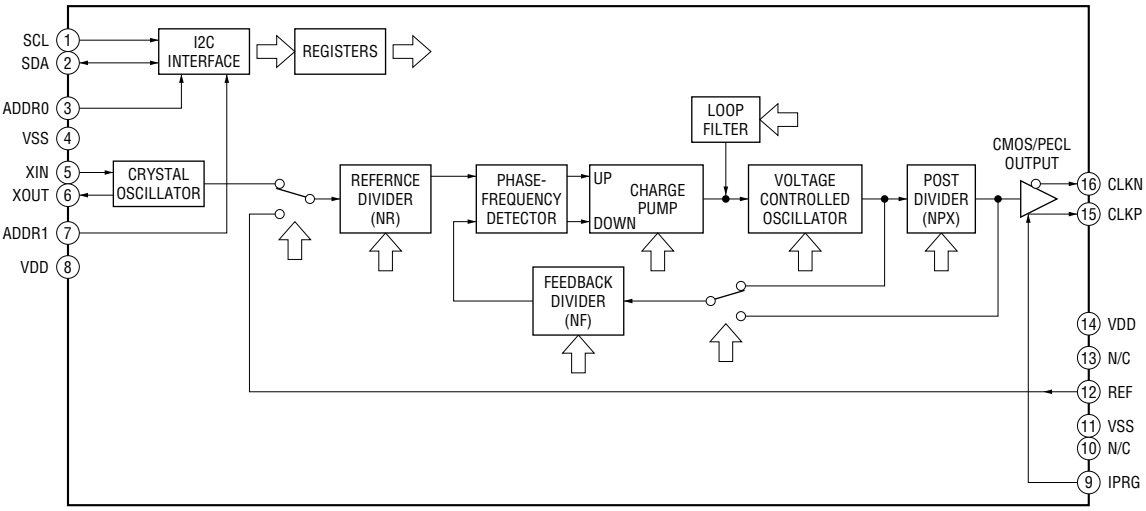
### IC912, 915, 916 SN74LVC2G74DCUR




### IC913 SN74LVC2G157DCUR

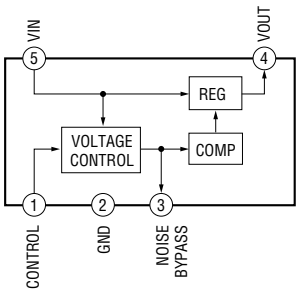



### IC914 FS7140-01G

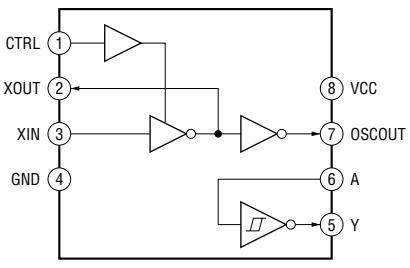



**– AUDIO Board –**

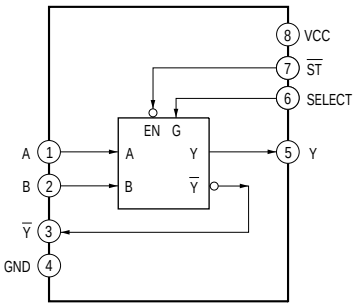
### IC103 TK11133CSCL-G
### IC108 TK11150CSCL-G



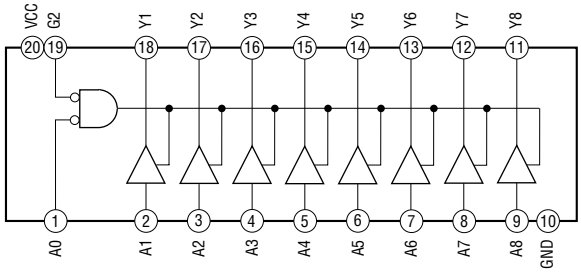

### IC104 SN74LVC1404DCTRE6



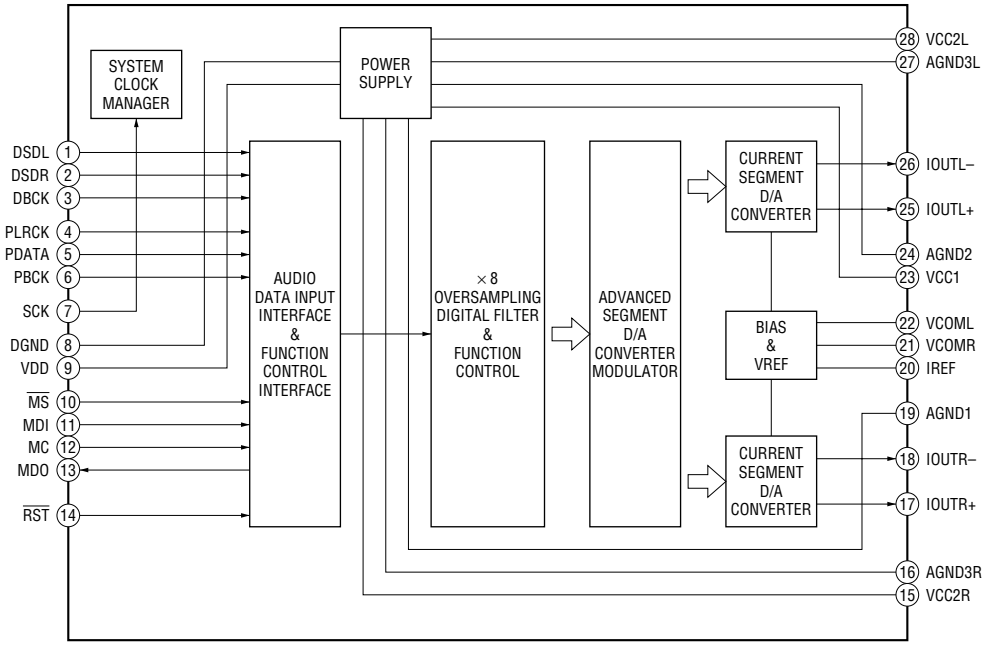
### IC105 TC7WH157FK (TE85R)




### IC106, 107, 109, 110 SN74LV541APWR

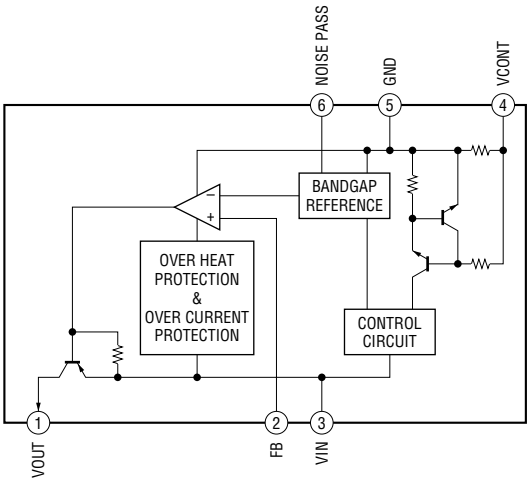



### IC111, 115, 119, 123 DSD1796DBR

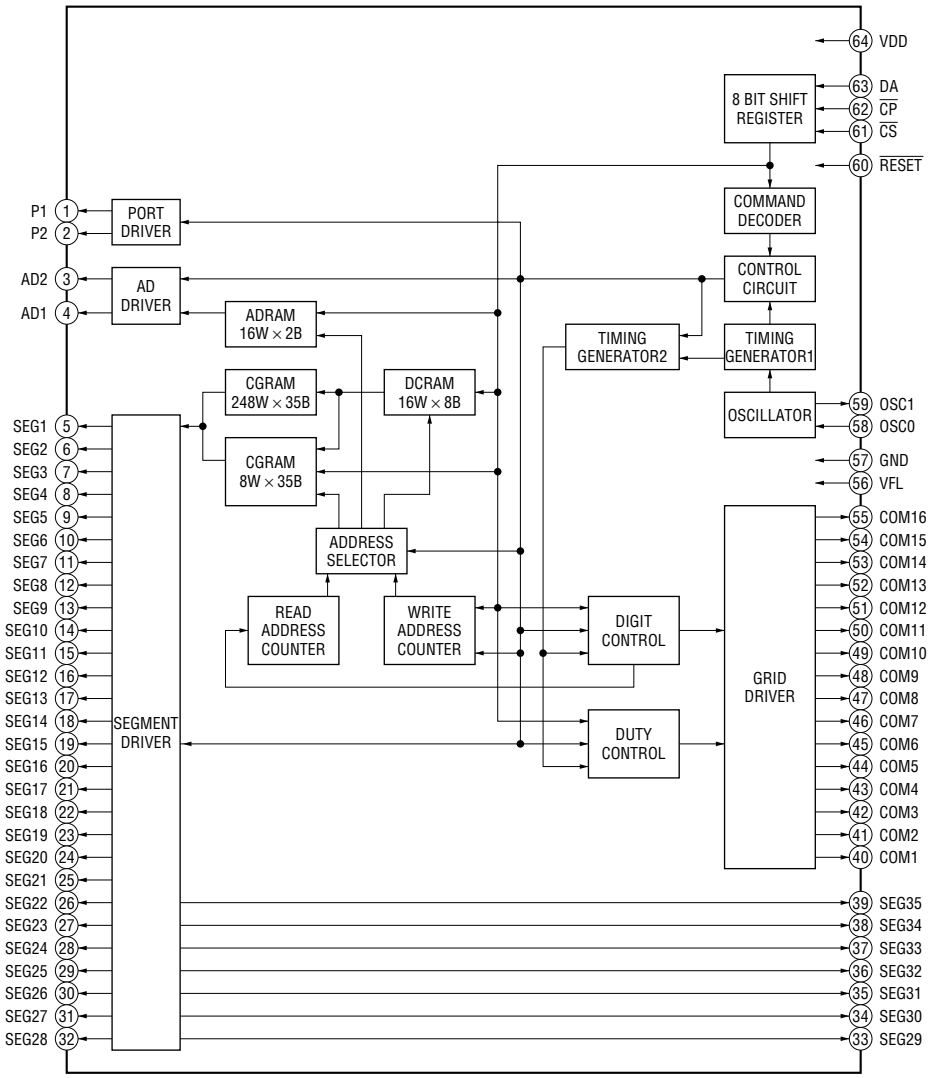



**– DISPLAY Board –**

### IC871 TK11100CSCB-G

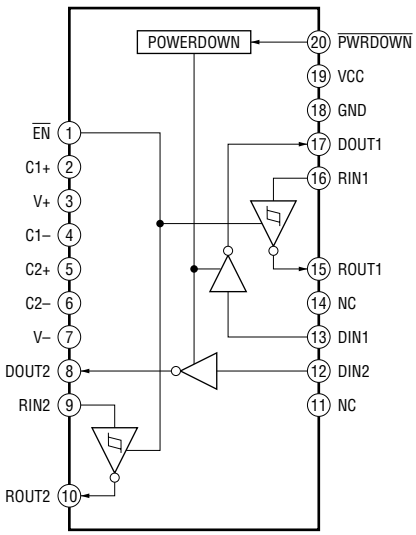


## IC801 ML9208-04MBZ03B

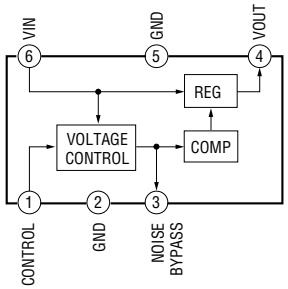



**– RS232C Board –**

## IC871 MAX3222IPWR

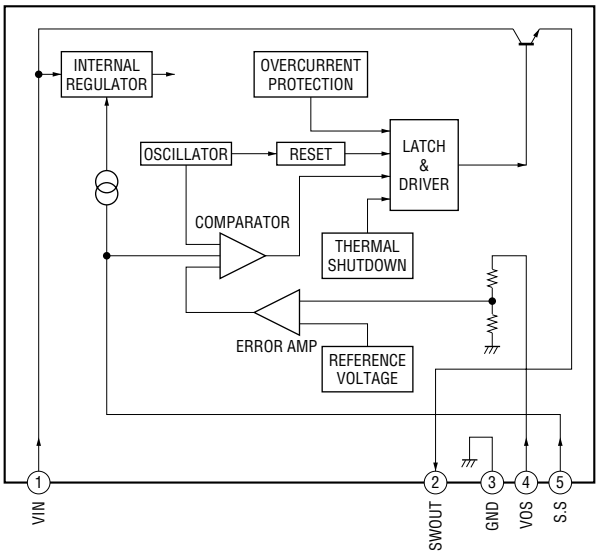



## IC882 TK11233CMCL-G

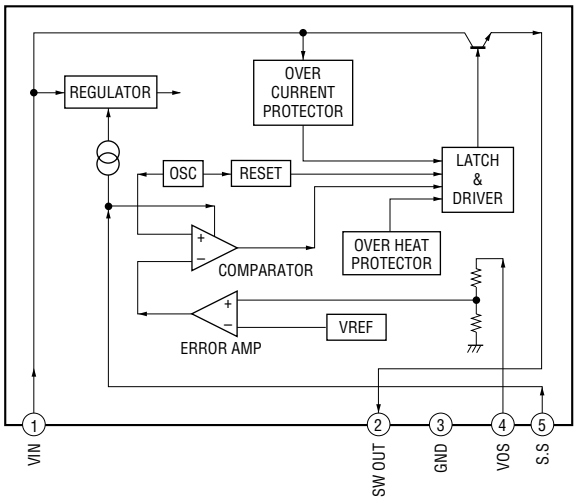


**– POWER2 Board –**

**IC901, 902 SI-8033SS**

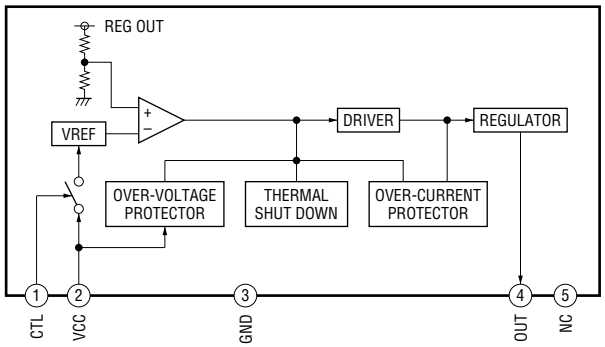



**IC906 SI-8090S**

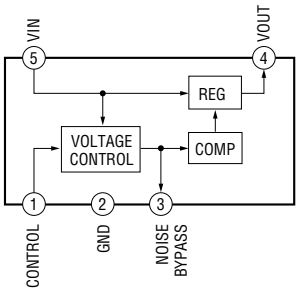



**– POWER1 Board –**

**IC903 BA07CC0WFP-E2**




**IC907 TK11150CSCL-G**



- **IC Pin Function Description**

**MAIN BOARD IC105 STE6317ATXXY (DVD INTERFACE)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | IREF | I | Connected to the ground |
| 2 | GNDAI | - | Ground terminal (analog system) |
| 3 | RFIN | I | RF path data input terminal (after AC coupling) |
| 4 | RFOUT | O | RF path data output terminal (before AC coupling) |
| 5 | VCC18 | - | Power supply terminal (+1.8V) (analog system) |
| 6 | A | I | A signal input from the optical traverse unit |
| 7 | GNDMN | - | Ground terminal (analog system) |
| 8 | B | I | B signal input from the optical traverse unit |
| 9 | VCC33MN | - | Power supply terminal (+3.3V) (analog system) |
| 10 | REFD | O | Reference voltage output to the optical traverse unit (+2.1V) (for laser diode) |
| 11 | VCC18MN | - | Power supply terminal (+1.8V) (analog system) |
| 12 | D | I | D signal input from the optical traverse unit |
| 13 | VCC18IS | - | Power supply terminal (+1.8V) (analog system) |
| 14 | C | I | C signal input from the optical traverse unit |
| 15 | VCC33IS | - | Power supply terminal (+3.3V) (analog system) |
| 16 | GNDAIS | - | Ground terminal (analog system) |
| 17 | VCC33SD | - | Power supply terminal (+3.3V) (analog system) |
| 18 | VCC18SD | - | Power supply terminal (+1.8V) (analog system) |
| 19 | GNDSD | - | Ground terminal |
| 20 | F | I | F signal input from the optical traverse unit |
| 21 | E | I | E signal input from the optical traverse unit |
| 22 | VSHIELDIS | - | Ground terminal (analog system) |
| 23 | VCC18ADC | - | Power supply terminal (+1.8V) (analog system) |
| 24 | GNDADC | - | Ground terminal (analog system) |
| 25 | VSHIELDADC | - | Ground terminal (analog system) |
| 26 | VCC33ADC | - | Power supply terminal (+3.3V) (analog system) |
| 27 | GNDDAC | - | Ground terminal (analog system) |
| 28 | DISC | O | Sled motor drive signal output terminal |
| 29 | SLED | O | Sled motor drive signal output terminal |
| 30 | REFEXT | I | Connected to the ground |
| 31 | REFGND | - | Ground terminal |
| 32 | REF | O | Reference voltage output terminal (+2.7V) (for D/A converter) |
| 33 | FACT | O | Focus coil drive signal output terminal |
| 34 | TACT | O | Tracking coil drive signal output terminal |
| 35 | VCC18DAC | - | Power supply terminal (+1.8V) (analog system) |
| 36 | MUTE_SP | O | Muting on/off control signal output to the spindle motor driver "L": muting on |
| 37 | MUTE_DRV | O | Muting on/off control signal output to the focus/tracking coil driver and sled motor driver<br>"L": muting on |
| 38, 39 | FIN, RIN | O | Loading motor drive signal output terminal "L": motor off Not used |
| 40 | INSW | I | Disc tray close detection signal input terminal "L": Disc tray is closed<br>Fixed at "L" in this set |
| 41 | VSS | - | Ground terminal (digital system) |
| 42 | VDD33 | - | Power supply terminal (+3.3V) (digital system) |
| 43 | DVD/CD | O | DVD/CD selection signal output to the optical traverse unit "L": CD, "H": DVD |
| 44 | SP | O | Spindle motor drive PWM signal output terminal |
| 45 | INLIM | I | Limit in detection signal input from the optical traverse unit<br>The optical pick-up is inner position when "H" |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 46 | OUTSW | I | Disc tray open detection signal input terminal "H": Disc tray is closed<br>Fixed at "H" in this set |
| 47 | DGND | - | Ground terminal (digital system) |
| 48 | VDD18 | - | Power supply terminal (+1.8V) (digital system) |
| 49, 50 | PD (6), PD (5) | O | Internal signal monitor output terminal Not used |
| 51 | DSPCLK | O | Internal signal monitor output terminal Not used |
| 52 | DSPDAT | O | Internal signal monitor output terminal Not used |
| 53 | DSPSTRB | O | Internal signal monitor output terminal Not used |
| 54, 55 | PD (1), PD (0) | O | Internal PDM signal monitor output terminal Not used |
| 56 | VSS | - | Ground terminal (digital system) |
| 57 | VDD33 | - | Power supply terminal (+3.3V) (digital system) |
| 58 | OUT-ERR | O | Error signal output to the CPU |
| 59 | OUT-EVALID | O | Word clock signal output to the CPU |
| 60 | VSS | - | Ground terminal (digital system) |
| 61 | OUT-CLK | O | Bit clock signal output to the CPU |
| 62 | VDD18 | - | Power supply terminal (+1.8V) (digital system) |
| 63 | OUT-DVALID | O | PCLK signal output to the CPU |
| 64 | OUT-DATA | O | Serial audio/video data output to the CPU |
| 65 | OUT-SYNC | O | Error signal and V4 signal output to the CPU |
| 66 | SCL | I | I2C bus clock signal input from the CPU |
| 67 | SDA | I/O | I2C two-way data bus with the CPU, interlace/progressive converter and video decoder |
| 68, 69 | PE (3), PE (2) | - | Not used |
| 70 | SPDIR | I | Spindle motor rotation direction detection signal input from spindle motor driver<br>"L": reverse direction, "H": forward direction |
| 71 | IRQ_FE | O | Interrupt request signal output to the CPU |
| 72 | VSS | - | Ground terminal (digital system) |
| 73 | VDD33 | - | Power supply terminal (+3.3V) (digital system) |
| 74 | PF (1) | O | Internal signal monitor output terminal Not used |
| 75 | DSPSTRB2 | O | Internal signal monitor output terminal Not used |
| 76 | VSS | - | Ground terminal (digital system) |
| 77 | VDD18 | - | Power supply terminal (+1.8V) (digital system) |
| 78 | PG (1) | I | Boot mode selection mode signal input terminal "L": standalone mode, "H": EMU mode<br>Fixed at "L" in this set |
| 79 | PG (0) | I | Boot mode selection mode signal input terminal "H": standalone/EMU mode<br>Fixed at "H" in this set |
| 80 | TEST | I | Input terminal for the test |
| 81 | RESET-N | I | Reset signal input from the CPU "L": reset |
| 82 | VSSADC | - | Ground terminal (analog system) |
| 83 | VDD18ADC | - | Power supply terminal (+1.8V) (analog system) |
| 84 | GNDPLL | - | Ground terminal (analog system) |
| 85 | CKOUT | - | Not used |
| 86 | FREOUT | - | Not used |
| 87 | FREIN | I | 27 MHz clock signal input from clock generator |
| 88 | VCC18PLL | - | Power supply terminal (+1.8V) (analog system) |
| 89 | LD1 | O | Laser diode control signal (for DVD) output terminal |
| 90 | LD2 | O | Laser diode control signal (for CD) output terminal |
| 91 | VCCA33 | - | Power supply terminal (+3.3V) (analog system) |
| 92 | TWINSEL | I | Connected to the ground |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 93, 94 | LMD1, LMD2 | I | Laser diode monitor input from the optical traverse unit |
| 95 | GNDL | - | Ground terminal (analog system) |
| 96 | TST-PM | O | Output terminal for the analog test |
| 97 | TST-SLICE | O | Output terminal for the analog test |
| 98 | TST-ADC | I | Not used |
| 99 | RFSACD | O | RF (for SACD) signal output to the SACD media player |
| 100 | VBGFILT | I | Connected to the ground through the capacitor |

**MAIN BOARD IC256 STE5588CVB (CPU)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | FUR_RST | O | Reset signal output to the SACD media player and i.link DSP "L": reset |
| 2 | DAC-PCMOUT3 | O | PCM audio data (for down mix) output to the lip sync adjust |
| 3 | YC_CLKOUT | O | 27 MHz clock signal output to the interlace/progressive converter |
| 4 | VDD3-3 | - | Power supply terminal (+3.3V) |
| 5 | VSS | - | Ground terminal |
| 6 | I2S_DATA_OUT | O | I2S bus data output to the SACD media player |
| 7 | I2S_BCLK_OUT | O | I2S bus clock signal output to the SACD media player |
| 8 | I2S_BFLAG_OUT | O | I2S bus flag output to the SACD media player |
| 9 | VIDEO_RST | O | Reset signal output to the interlace/progressive converter, video encoder and HDMI transmitter "L": reset |
| 10 | RTS | I | UART flow control signal input terminal |
| 11 | BE_BUSY | O | Busy signal output to the system controller |
| 12 | CTS | O | UART flow control signal output terminal |
| 13 | BE_CS | I | Chip select signal input from the system controller |
| 14 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 15 | VSS | - | Ground terminal |
| 16 | B-DATA | I | Serial audio/video data input from the DVD interface |
| 17 | B-BCLK | I | Bit clock signal input from the DVD interface |
| 18 | B-FLAG | I | PCLK signal input from the DVD interface |
| 19 | B-SYNC | I | Error signal input from the DVD interface |
| 20 | WCLK | I | Word clock signal input from the DVD interface |
| 21 | B-V4 | I | V4 signal input from the DVD interface |
| 22 | XRCLR | O | Clear signal output to the shift resister |
| 23 | VDD-RGB | - | Power supply terminal Not used |
| 24 | VSS-RGB | - | Ground terminal |
| 25 | B-OUT | O | RGB (blue) signal output terminal Not used |
| 26 | G-OUT | O | RGB (green) signal output terminal Not used |
| 27 | R-OUT | O | RGB (red) signal output terminal Not used |
| 28 | V-REF-RG | - | Reference voltage terminal |
| 29 | I-REF-RG | - | Reference current terminal |
| 30 | VDD-YCC | - | Power supply terminal Not used |
| 31 | VSS-YCC | - | Ground terminal |
| 32 | Y-OUT | O | Y signal output terminal Not used |
| 33 | C-OUT | O | Chroma signal output terminal Not used |
| 34 | VC-OUT | O | Component video signal output terminal Not used |
| 35 | V-REF-YC | - | Reference voltage terminal |
| 36 | I-REF-YC | - | Reference current terminal |
| 37 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 38 | VSS | - | Ground terminal |
| 39 to 46 | YC0 to YC 7 | O | Digital video signal output to the interlace/progressive converter |
| 47 | VDD3-3 | - | Power supply terminal (+3.3V) |
| 48 | VDD-PCM | - | Power supply terminal (+1.8V) |
| 49 | VSS-PCM | - | Ground terminal |
| 50 | VSS | - | Ground terminal |
| 51 | DAC-SCLK | O | Bit clock signal output to the D/A converter, lip sync adjust, HDMI transmitter and i.link interface |
| 52 | DAC-PCMOUT0 | O | PCM audio data (for front) output to the lip sync adjust |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 53 | DAC-PCMOUT1 | O | PCM audio data (for rear) output to the lip sync adjust |
| 54 | DAC-PCMOUT2 | O | PCM audio data (for center and woofer) output to the lip sync adjust |
| 55 | DAC-PCMCLK | I | Master clock signal input from the clock generator |
| 56 | DAC-LRCLK | O | L/R sampling clock signal output to the D/A converter, lip sync adjust, HDMI transmitter and i.link interface |
| 57 | SPDIF-OUT | O | Digital audio data output to the lip sync adjust |
| 58 to 63 | SMI-ADR (4) to SMI-ADR (9) | O | Address signal output to the SD-RAM |
| 64 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 65 | VSS | - | Ground terminal |
| 66 to 69 | SMI-ADR (3) to SMI-ADR (0) | O | Address signal output to the SD-RAM |
| 70 to 73 | SMI-ADR (10) to SMI-ADR (13) | O | Address signal output to the SD-RAM |
| 74 | SMI-CS (0) | O | Chip select signal output to the SD-RAM |
| 75 | SMI-CS (1) | O | Chip select signal output terminal Not used |
| 76 | SMI-RAS | O | Row address signal output to the SD-RAM |
| 77 | SMI-CAS | O | Column address signal output to the SD-RAM |
| 78 | SMI-WE | O | Write enable signal output to the SD-RAM |
| 79 | SMI-DQML | O | Write mask signal output to the SD-RAM (lower byte) |
| 80 | SMI-DQMU | O | Write mask signal output to the SD-RAM (upper byte) |
| 81 | VDD3-3 | - | Power supply terminal (+3.3V) |
| 82 | SMI-CLKIN | I | 133 MHz clock signal input terminal |
| 83 | VSS | - | Ground terminal |
| 84 to 93 | SMI-DATA (0) to SMI-DATA (9) | I/O | Two-way data bus with the SD-RAM |
| 94 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 95 | SMI-CLKOUT | O | 133 MHz clock signal output to the SD-RAM |
| 96 | VSS | - | Ground terminal |
| 97 to 102 | SMI-DATA (10) to SMI-DATA (15) | I/O | Two-way data bus with the SD-RAM |
| 103 | TMODE_SW | I | Test mode on/off control signal input from the system controller "H": test mode on |
| 104 | HDMI_+5V _CONT_BE | O | Power on/off control signal output terminal for HDMI section (+5V) Not used |
| 105 | RCLK | O | Clock signal output to the shift register |
| 106 | ADC-PCMCLK | O | PCM clock signal output terminal Not used |
| 107 | VDD3-3 | - | Power supply terminal (+3.3V) |
| 108 | VSS | - | Ground terminal |
| 109 | TRST | I | Reset signal input terminal (for JTAG) |
| 110 | TMS | I | Mode selection signal input terminal (for JTAG) |
| 111 | TDO | O | Data output terminal (for JTAG) |
| 112 | TDI | I | Data input terminal (for JTAG) |
| 113 | TCK | I | Clock signal input terminal (for JTAG) |
| 114 | ADY_BYPASS | O | Bypass signal output terminal Not used |
| 115 | BOOT_MODE | O | Boot mode selection signal output terminal Not used |
| 116 | WP | O | Write protect signal output terminal Not used |
| 117 | CPU-OE | O | Output enable signal output to the flash memories |
| 118 | CPU-PROCLK | O | Not used |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 119 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 120 | PIX-CLK | I | 27 MHz clock signal input from the clock generator |
| 121 | VSS | - | Ground terminal |
| 122 | VDD-PLL | - | Power supply terminal (+1.8V) |
| 123 | VSS-PLL | - | Ground terminal |
| 124 | RESET | I | Reset signal input from the system controller "L": reset |
| 125 | IRQ (2) | I | Interrupt request signal input from the SACD media player |
| 126 | IRQ (1) | I | Interrupt request signal input from the HDMI transmitter |
| 127 | IRQ (0) | I | Interrupt request signal input from the DVD interface |
| 128 | CPU-BE (0) | O | Write enable signal output to the flash memories |
| 129 | CPU-BE (1) | O | Write enable signal output terminal Not used |
| 130 | CPU-RW | O | Read/write selection signal output to the SACD media player "L": read, "H": write |
| 131 | CPU-WAIT | I | Chip wait signal input from the SACD media player |
| 132 | CPU-CE (3) | O | Chip enable signal output to the flash memory |
| 133 | CPU-CE (2) | O | Chip select signal output to the SACD media player |
| 134 | CPU-CE (1) | O | Chip enable signal output to the flash memory |
| 135 | CPU-CE (0) | O | Chip select signal output to the i.link DSP |
| 136 | VDD3-3 | - | Power supply terminal (+3.3V) |
| 137 | VSS | - | Ground terminal |
| 138 | CPU-RAS1 | O | Row address signal output terminal Not used |
| 139, 140 | CPU-CAS0, CPU-CAS1 | O | Column address signal output terminal Not used |
| 141 to 144 | CPU-DATA (0) to CPU-DATA (3) | I/O | Two-way data bus with the flash memories, SACD media player and i.link DSP |
| 145 to 148 | CPU-DATA (4) to CPU-DATA (7) | I/O | Two-way data bus with the flash memories and SACD media player |
| 149 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 150 | VSS | - | Ground terminal |
| 151 to 158 | CPU-DATA (8) to CPU-DATA (15) | I/O | Two-way data bus with the flash memories and SACD media player |
| 159 | VDD3-3 | - | Power supply terminal (+3.3V) |
| 160 | VSS | - | Ground terminal |
| 161 to 164 | CPU-ADR (1) to CPU-ADR (4) | O | Address signal output to the flash memories, SACD media player and i.link DSP |
| 165 to 167 | CPU-ADR (5) to CPU-ADR (7) | O | Address signal output to the flash memories and SACD media player |
| 168 to 170 | CPU-ADR (8) to CPU-ADR (10) | O | Address signal output to the flash memories |
| 171 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 172 | VSS | - | Ground terminal |
| 173 to 183 | CPU-ADR (11) to CPU-ADR (21) | O | Address signal output to the flash memories |
| 184 | VDD3-3 | - | Power supply terminal (+3.3V) |
| 185 | VSS | - | Ground terminal |
| 186 | FE_RST | O | Reset signal output to the DVD interface "L": reset |
| 187 | RSERROR | I | Error signal input from the DVD interface |
| 188 | A_MUTE | O | Audio muting on/off control signal output terminal "L": muting on |
| 189 | LETTER | O | Letter box control signal output terminal Not used |
| 190 | H_SCL_BP | O | I2C bus clock signal output terminal Not used |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 191 | SQUEEZE | O | Squeeze control signal output terminal |
| 192 | H_SDA_BP | I/O | I2C two-way data bus terminal  Not used |
| 193 | I2S_SYNC_OUT | O | Sector sync signal or absolute time sync signal output to the SACD media player |
| 194 | BE_SDA | I/O | I2C two-way data bus with the DVD interface, interlace/progressive converter and video encoder |
| 195 | BE_SCL | O | I2C bus clock signal output to the DVD interface, interlace/progressive converter and video encoder |
| 196 | I2S_WCLK_OUT | O | I2S bus word clock signal output to the SACD media player |
| 197 | IF_TXD | O | UART transmit data output to the system controller |
| 198 | VDD1-8 | - | Power supply terminal (+1.8V) |
| 199 | VSS | - | Ground terminal |
| 200 | IF_RXD | I | UART receive data input from the system controller |
| 201 | FCNG_TXD | O | UART transmit data output for data writing to the flash memory |
| 202 | TRIGGER-IN | I | Trigger signal input terminal |
| 203 | TRIGGER-OUT | O | Trigger signal output terminal |
| 204 | ADAC_RESET | O | Reset signal output terminal  Not used |
| 205 | FCNG_RXD | I | UART receive data input for data writing to the flash memory |
| 206 | SI | I | Serial data input from the lip sync adjust |
| 207 | SO | O | Serial data output to the D/A converter, shift register and lip sync adjust |
| 208 | SCLK | O | Serial data transfer clock signal output to the D/A converter, shift register and lip sync adjust |

**MAIN BOARD IC404 uPD70F3259YGF-40A-JBT-A (SYSTEM CONTROLLER)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | KEY1 | I | Front panel keys input terminal (A/D input) |
| 2 | KEY0 | I | Key input terminal Not used |
| 3 | AVDD | - | Power supply terminal (+3.3V) |
| 4 | AVSS | - | Ground terminal |
| 5, 6 | NC | O | Not used |
| 7 | AVREF | I | Reference voltage (+3.3V) input terminal |
| 8 | 232C_RTS | O | Transmit request signal output to the RS232C driver |
| 9 | 232C_CTS | I | Transmit request signal input from the RS232C driver |
| 10 | FLMD0 | I | Flash memory data write mode control signal input terminal |
| 11 | VDD | - | Power supply terminal (+3.3V) |
| 12 | REGC | O | Connection terminal to the regulator capacitor |
| 13 | VSS | - | Ground terminal |
| 14 | XTI | I | Main system clock input terminal (5 MHz) |
| 15 | XTO | O | Main system clock output terminal (5 MHz) |
| 16 | RESET | I | System reset signal input from the reset signal generator "L": reset<br>For several hundreds msec. after the power supply rises, "L" is input, then it change to "H" |
| 17 | SUB_CLK_IN | I | Sub system clock input terminal Not used |
| 18 | SUB_CLK_OUT | O | Sub system clock output terminal Not used |
| 19 | NC | O | Not used |
| 20 | KEY_INT | I | Wake up signal input from front panel keys or remote commander |
| 21 | 232C_INT | I | Wake up signal input from RS232C driver |
| 22 | DEBUGRST | O | Reset signal output terminal Not used |
| 23 | BE_CS | O | Chip select signal output to the CPU |
| 24 | CLKG_SDA | I/O | I2C two-way data bus with the clock generator |
| 25 | CLKG_SCL | I/O | I2C bus clock signal input/output with the clock generator |
| 26 | NC | O | Not used |
| 27 | 232COUT | O | Serial data output to the RS232C driver |
| 28 | 232CIN | I | Serial data input from the RS232C driver |
| 29 | 232CPW_DOWN | I | RS232C power down signal output to the RS232C driver "L": power down |
| 30 | NC | O | Not used |
| 31 | SIRCS | I | Remote control signal input from the remote control receiver and CONTROL S IN/IR IN jack |
| 32 | HDMI_RST | O | HDMI reset signal output terminal Not used |
| 33 | BE_BUSY | I | Busy signal input from the CPU |
| 34 | BE_RST | O | Reset signal output to the flash memories, CPU and lip sync adjust "L": reset |
| 35 | EVSS | - | Ground terminal |
| 36 | EVDD | - | Power supply terminal (+3.3V) |
| 37 | ILINK_TX | O | UART transmit data output to the i.link system controller |
| 38 | ILINK_RX | I | UART receive data input from the i.link system controller |
| 39 | TEST_MODE_IN | I | Test mode on/off control signal input terminal "L": normal mode, "H": test mode<br>Fixed at "L" in this set |
| 40 | SPDIF_SW | O | Digital out on/off control signal output terminal "H": digital out on |
| 41 | FS_SEL | O | Sampling frequency selection signal output to the clock generator |
| 42 | CLK_SW | O | Audio clock selection signal output to the clock driver |
| 43 | ILINK_RST | O | Reset signal output to the flash memory, i.link system controller and i.link interface "L": reset |
| 44 | ILINK_OSC_SW | O | I.link OSC on/off control signal output to the clock driver "H": OSC on |
| 45 | BE_TXD | O | UART transmit data output to the CPU |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 46 | BE_RXD | I | UART receive data input from the CPU |
| 47 | LED_PLAY | O | LED drive signal output for playback indicator "H": LED on |
| 48 | LED_PAUSE | O | LED drive signal output for pause indicator "H": LED on |
| 49 | LED_FL_OFF | O | LED drive signal output for DIMMER indicator "H": LED on |
| 50 | LED_ILINK | O | LED drive signal output for i.LINK indicator "H": LED on |
| 51 | FL_OFF | O | Fluorescent indicator tube power on/off control signal output terminal "H": power on |
| 52 | LED_VIDEO_OFF | O | LED drive signal output for VIDEO OFF indicator "H": LED on |
| 53 | LDM+ | O | Loading motor drive signal output terminal "H": motor on |
| 54 | LDM- | O | Loading motor drive signal output terminal "H": motor on |
| 55 | VIDEO_OFF | O | Power on/off control signal output terminal for video section "H": power on |
| 56 | FLD_SDATA | O | Serial data output to the fluorescent indicator tube driver |
| 57 | FLD_SCLK | O | Serial data transfer clock signal output to the fluorescent indicator tube driver |
| 58 | NC | O | Not used |
| 59 | ILINK_CTS | I | Transmit request signal input from the i.link system controller |
| 60 | ILINK_RTS | O | Transmit request signal output to the i.link system controller |
| 61 | P_MUTE | O | Protect muting on/off control signal output terminal "L": muting on |
| 62 | NC | O | Not used |
| 63 | FLHS | O | Not used |
| 64 | CLKOUT | O | Clock signal output terminal Not used |
| 65 | HDMI _INT | O | Interrupt request signal output terminal Not used |
| 66 | DISC/EXT | O | Disc output/external input selection signal output terminal "L": external input, "H": disc output (AEP, UK and Russian models only) |
| 67 | EUROVY | O | Composite video/s video selection signal output terminal "L": s video, "H": composite video (AEP, UK and Russian models only) |
| 68 | RGBSEL | O | RGB/video selection signal output terminal "L": video, "H": RGB (AEP, UK and Russian models only) |
| 69 | DSEL | O | Selection signal output terminal Not used |
| 70 | WIDE | O | Wide signal output terminal Not used |
| 71 | BVSS | - | Ground terminal |
| 72 | BVDD | - | Power supply terminal (+3.3V) |
| 73 | NT/PAL | O | NTSC/PAL selection signal output terminal Not used |
| 74 | AMUTE | O | Audio muting on/off control signal output terminal "L": muting on |
| 75 | IF_ADAC_RST | O | Reset signal output to the D/A converter "L": reset |
| 76 | VMUTE | O | Video muting on/off control signal output terminal "L": muting on |
| 77 | P_CONT | O | Main power on/off control signal output terminal "H": power on |
| 78 | FLMD1 | I | Flash memory data write mode control signal input terminal |
| 79 | WP1 | O | Write protect signal output terminal Not used |
| 80, 81 | NC | O | Not used |
| 82 | FL_CTRL | O | Flash memory data write mode control signal output terminal |
| 83 | HDMI_+5V_RST | O | Power on/off control signal output terminal for HDMI section (+5V) "H": power on |
| 84 | TMODE_SW | O | Test mode on/off control signal output to the CPU "H": test mode on |
| 85 | FLDRST | O | Reset signal output to the fluorescent indicator tube driver "L": reset |
| 86 | FLDCS | O | Chip select signal output to the fluorescent indicator tube driver |
| 87, 88 | NC | O | Not used |
| 89 | JOG_B | I | Jog dial pulse input from the rotary encoder (B phase input) |
| 90 | JOG_A | I | Jog dial pulse input from the rotary encoder (A phase input) |
| 91 | LD_IN_SW | I | Loading in detect switch input terminal |
| 92 | LD_OUT_SW | I | Loading in detect switch input terminal |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 93 | DEST_SEL | I | Destination setting terminal |
| 94 | NC | O | Not used |
| 95 | PON_CHECK | I | +3.3V voltage monitor input terminal |
| 96 | MODEL_SEL | I | Model setting terminal  Fixed at "H" in this set |
| 97 | SELF_CHECK | I | Self-diagnosis mode selection signal input terminal (normally at "H") |
| 98 | KEY4 | I | Key input terminal  Not used |
| 99, 100 | KEY3, KEY2 | I | Front panel keys input terminal (A/D input) |

**MAIN BOARD IC502 SAA7893HL (SACD MEDIA PLAYER)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | H_A1 | I | Address signal input from the CPU |
| 2, 3 | H_DQ15, H_DQ14 | I/O | Two-way data bus with the flash memories and CPU |
| 4 | GND_IO1 | - | Ground terminal |
| 5 to 9 | H_DQ13 to H_DQ9 | I/O | Two-way data bus with the flash memories and CPU |
| 10 | VCC_IO1 | - | Power supply terminal (+3.3V) |
| 11 to 15 | H_DQ8 to H_DQ4 | I/O | Two-way data bus with the flash memories and CPU |
| 16 | H_DQ3 | I/O | Two-way data bus with the flash memories, CPU and i.link DSP |
| 17 | GND_IO2 | - | Ground terminal |
| 18 | H_PROCCLOCK | I | 27 MHz clock signal input from clock generator |
| 19 | VCC_CORE1 | - | Power supply terminal (+1.8V) |
| 20 | GND_CORE1 | - | Ground terminal |
| 21 | SYS_CLK | I | 27 MHz clock signal input from clock generator |
| 22, 23 | H_DQ2, H_DQ1 | I/O | Two-way data bus with the flash memories, CPU and i.link DSP |
| 24 | H_CSN | I | Chip select signal input from the CPU |
| 25 | H_DQ0 | I/O | Two-way data bus with the flash memories, CPU and i.link DSP |
| 26 | H_RWN | I | Read/write selection signal input from the CPU "L": read, "H": write |
| 27 | H_WAIT | O | Chip wait signal output to the CPU |
| 28 | H_IRQN | O | Interrupt request signal output to the CPU |
| 29 | AUD_CLK | I | Master clock signal input from the clock generator |
| 30 | PCM_DCLK_IN | I | PCM data clock input terminal Not used |
| 31 | PCM_WCLK_IN | I | PCM word clock input terminal Not used |
| 32 | VDDA | - | Power supply terminal (+1.8V) |
| 33 | VSSA | - | Ground terminal |
| 34 | BIASIN | I | Bias current input terminal |
| 35 | AGCINP | I | RF (for SACD) signal input from the DVD interface |
| 36 | ADCREFL | I | ADC decoupling terminal |
| 37 | VCC_IO7 | - | Power supply terminal (+3.3V) |
| 38 | GND_IO7 | - | Ground terminal |
| 39 | PCM_CELF_IN | I | PCM data (for center or LFE) input terminal Not used |
| 40 | PCM_LERI_IN | I | PCM data (for L-ch or R-ch) input terminal Not used |
| 41 | PCM_LSRS_IN | I | PCM data (for surround L-ch or surround R-ch) input terminal Not used |
| 42 | B_FLAG/SERR | I | I2S bus flag input from the CPU |
| 43 | B_SYNC/SYNC | I | Sector sync signal or absolute time sync signal input from the CPU |
| 44 | B_WCLK/SENB | I | I2S bus word clock signal input from the CPU |
| 45 | B_DATA/BE_DAT0 | I | I2S bus data input from the CPU |
| 46 | B_BCLK/SDCLK | I | I2S bus clock signal input from the CPU |
| 47 | UDE_REQ | I | Request signal input terminal Not used |
| 48 | DATA_REQ | O | Request signal output terminal Not used |
| 49 to 55 | BE_DAT1 to BE_DAT7 | I | Parallel data input terminal Not used |
| 56 | TRST | I | Reset signal input terminal (for JTAG) |
| 57 | TMS | I | Mode selection signal input terminal (for JTAG) |
| 58 | VCC_IO2 | - | Power supply terminal (+3.3V) |
| 59 | TDO | O | Data output terminal (for JTAG) |
| 60 | TDI | I | Data input terminal (for JTAG) |
| 61 | TCK | I | Clock signal input terminal (for JTAG) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 62 | H_SEL0 | I | Host selection signal input terminal Fixed at "L" in this set |
| 63 | H_SEL1 | I | Host selection signal input terminal Fixed at "H" in this set |
| 64 | D_ADDR3 | O | Address signal output to the SD-RAM |
| 65 | D_ADDR4 | O | Address signal output to the SD-RAM |
| 66 | D_ADDR2 | O | Address signal output to the SD-RAM |
| 67 | D_ADDR5 | O | Address signal output to the SD-RAM |
| 68 | D_ADDR1 | O | Address signal output to the SD-RAM |
| 69 | GND_IO3 | - | Ground terminal |
| 70 | D_ADDR6 | O | Address signal output to the SD-RAM |
| 71 | D_ADDR0 | O | Address signal output to the SD-RAM |
| 72 | D_ADDR7 | O | Address signal output to the SD-RAM |
| 73 | D_ADDR10 | O | Address signal output to the SD-RAM |
| 74 | D_ADDR8 | O | Address signal output to the SD-RAM |
| 75 | D_ADDR13 | O | Address signal output to the SD-RAM |
| 76 | VCC_IO3 | - | Power supply terminal (+3.3V) |
| 77 | D_ADDR9 | O | Address signal output to the SD-RAM |
| 78 | D_ADDR12 | O | Address signal output to the SD-RAM |
| 79 | D_ADDR11 | O | Address signal output to the SD-RAM |
| 80 | D_WEN | O | Write enable signal output to the SD-RAM |
| 81 | D_RASN | O | Row address signal output to the SD-RAM |
| 82 | D_CASN | O | Column address signal output to the SD-RAM |
| 83 | GND_IO4 | - | Ground terminal |
| 84 | GND_CORE2 | - | Ground terminal |
| 85 | VCC_CORE2 | - | Power supply terminal (+1.8V) |
| 86 | D_CLK | O | Clock signal output to the SD-RAM |
| 87 | D_DQ5 | I/O | Two-way data bus with the SD-RAM |
| 88 | D_UDQM | O | Write mask signal output to the SD-RAM (upper byte) |
| 89 | D_LDQM | O | Write mask signal output to the SD-RAM (lower byte) |
| 90 | D_DQ7 | I/O | Two-way data bus with the SD-RAM |
| 91 | D_DQ8 | I/O | Two-way data bus with the SD-RAM |
| 92 | VCC_IO4 | - | Power supply terminal (+3.3V) |
| 93 | D_DQ6 | I/O | Two-way data bus with the SD-RAM |
| 94 | D_DQ9 | I/O | Two-way data bus with the SD-RAM |
| 95 | D_DQ10 | I/O | Two-way data bus with the SD-RAM |
| 96 | D_DQ4 | I/O | Two-way data bus with the SD-RAM |
| 97 | D_DQ11 | I/O | Two-way data bus with the SD-RAM |
| 98 | D_DQ3 | I/O | Two-way data bus with the SD-RAM |
| 99 | GND_IO5 | - | Ground terminal |
| 100 | D_DQ12 | I/O | Two-way data bus with the SD-RAM |
| 101 | D_DQ2 | I/O | Two-way data bus with the SD-RAM |
| 102 | D_DQ13 | I/O | Two-way data bus with the SD-RAM |
| 103 | D_DQ1 | I/O | Two-way data bus with the SD-RAM |
| 104 | D_DQ14 | I/O | Two-way data bus with the SD-RAM |
| 105 | D_DQ0 | I/O | Two-way data bus with the SD-RAM |
| 106 | VCC_IO5 | - | Power supply terminal (+3.3V) |
| 107 | D_DQ15 | I/O | Two-way data bus with the SD-RAM |
| 108 | DSD_PCM_0 | O | DSD data (for front L-ch) output to the D/A converter and i.link DSP |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 109 | DSD_PCM_1 | O | DSD data (for front R-ch) output to the D/A converter and i.link DSP |
| 110 | DSD_PCM_2 | O | DSD data (for center) output to the D/A converter and i.link DSP |
| 111 | DSD_PCM_3 | O | DSD data (for woofer) output to the D/A converter and i.link DSP |
| 112 | GND_IO5 | - | Ground terminal |
| 113 | DSD_PCM_4 | O | DSD data (for rear L-ch) output to the D/A converter and i.link DSP |
| 114 | DSD_PCM_5 | O | DSD data (for rear R-ch) output to the D/A converter and i.link DSP |
| 115 | DSD_PCM_6 | O | DSD clock signal output to the D/A converter |
| 116 | DSD_PCM_7 | O | DSD data output terminal Not used |
| 117 | DSD_PCM_8 | O | DSD clock signal output to the i.link DSP |
| 118 | VCC_IO6 | - | Power supply terminal (+3.3V) |
| 119 | DSD_PCM_10 | O | Frame signal output to the i.link DSP |
| 120 | DSD_PCM_9 | O | DSD data (for R-ch) output to the D/A converter |
| 121 | DSD_PCM_11 | O | DSD data (for L-ch) output to the D/A converter |
| 122 | RESETN | I | Reset signal input from the CPU "L": reset |
| 123 | H_A_SEL | I | Address signal input from the CPU |
| 124 to 128 | H_A6 to H_A2 | I | Address signal input from the CPU |

**MAIN BOARD IC552 CXD9722ATQ (LIP SYNC ADJUST)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 to 5 | D1 to D5 | I/O | Two-way data bus with the SD-RAM |
| 6 | VDD | - | Power supply terminal (+3.3V) |
| 7, 8 | D6, D7 | I/O | Two-way data bus with the SD-RAM |
| 9 | VSS | - | Ground terminal |
| 10 | WE | O | Write enable signal output to the SD-RAM |
| 11 | CAS | O | Column address strobe signal output to the SD-RAM |
| 12 | RAS | O | Row address strobe signal output to the SD-RAM |
| 13 | CS | O | Chip select signal output to the SD-RAM |
| 14 | CLK | O | Clock signal output to the SD-RAM |
| 15 | CKE | O | Clock enable signal output to the SD-RAM |
| 16 | VDD | - | Power supply terminal (+3.3V) |
| 17 to 22 | A11, A10, A0 to A3 | O | Address signal output to the SD-RAM |
| 23 | VSS | - | Ground terminal |
| 24 to 29 | A9 to A4 | O | Address signal output to the SD-RAM |
| 30 | VSS | - | Ground terminal |
| 31 | DRSO | O | DSD data (for rear R-ch) output terminal Not used |
| 32 | DLSO | O | DSD data (for rear L-ch) output terminal Not used |
| 33 | DEXRO | O | Not used |
| 34 | DLFEO | O | DSD data (for woofer) output terminal Not used |
| 35 | DCO | O | DSD data (for center) output terminal Not used |
| 36 | VDD | - | Power supply terminal (+3.3V) |
| 37 | DRO | O | DSD data (for front R-ch) output terminal Not used |
| 38 | DLO | O | DSD data (for front L-ch) output terminal Not used |
| 39 | VSS | - | Ground terminal |
| 40 | DMRO | O | DSD data (for R-ch down mix) output terminal Not used |
| 41 | DMLO | O | DSD data (for L-ch down mix) output terminal Not used |
| 42 | VSS | - | Ground terminal |
| 43 | VDD | - | Power supply terminal (+3.3V) |
| 44 | DLDRO | O | Audio data (for down mix) output to the D/A converter and HDMI transmitter |
| 45 | CSWO | O | Audio data (for center and woofer) output to the D/A converter, HDMI transmitter and i.link interface |
| 46 | SLSRO | O | Audio data (for rear) output to the D/A converter, HDMI transmitter and i.link interface |
| 47 | FLFRO | O | Audio data (for front) output to the D/A converter, HDMI transmitter and i.link interface |
| 48 | VSS | - | Ground terminal |
| 49 | SPDIFO | O | Digital audio data output to the HDMI transmitter, i.link interface and DIGITAL OUT jack |
| 50 | TEST1 | I | Input terminal for the test |
| 51 | TRST | I | Reset signal input terminal (for JTAG) |
| 52 | TMS | I | Mode selection signal input terminal (for JTAG) |
| 53 | TCK | I | Clock signal input terminal (for JTAG) |
| 54 | TDI | I | Data input terminal (for JTAG) |
| 55 | TDO | O | Data output terminal (for JTAG) |
| 56 | TEST2 | I | Input terminal for the test |
| 57 | SPDIFI | I | Digital audio data input from the CPU |
| 58 | VSS | - | Ground terminal |
| 59 | LRCKI | I | L/R sampling clock signal input from the CPU |
| 60 | BCKI | I | Bit clock signal input from the CPU |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 61 | VDD | - | Power supply terminal (+3.3V) |
| 62 | VSS | - | Ground terminal |
| 63 | DLDRI | I | PCM audio data (for down mix) input from the CPU |
| 64 | CSWI | I | PCM audio data (for center and woofer) input from the CPU |
| 65 | SLSRI | I | PCM audio data (for rear) input from the CPU |
| 66 | FLFRI | I | PCM audio data (for front) input from the CPU |
| 67 | TEST3 | I | Input terminal for the test |
| 68 | CLK512 | I | Master clock signal input from the clock generator |
| 69 | VSS | - | Ground terminal |
| 70 | XRST | I | Reset signal input from the system controller "L": reset |
| 71 | VDD | - | Power supply terminal (+3.3V) |
| 72 | SCLK | I | Serial data transfer clock signal input from the CPU |
| 73 | XCS | I | Chip select signal input from the shift register |
| 74 | SI | I | Serial data input from the CPU |
| 75 | SO | O | Serial data output to the CPU |
| 76 | DEXRI | - | Not used |
| 77 | DMLI | I | DSD data (for front L-ch down mix) input terminal Not used |
| 78 | DMRI | I | DSD data (for front R-ch down mix) input terminal Not used |
| 79 | VSS | - | Ground terminal |
| 80 | PHRI | I | Clock signal input terminal Not used |
| 81 | BCKAI | I | Bit clock signal input terminal Not used |
| 82 | DQM | O | Not used |
| 83 | DLI | I | DSD data (for front L-ch) input terminal Not used |
| 84 | DRI | I | DSD data (for front R-ch) input terminal Not used |
| 85 | DCI | I | DSD data (for center) input terminal Not used |
| 86 | DLFEI | I | DSD data (for woofer) input terminal Not used |
| 87 | DLSI | I | DSD data (for rear L-ch) input terminal Not used |
| 88 | DRSI | I | DSD data (for rear R-ch) input terminal Not used |
| 89 | VSS | - | Ground terminal |
| 90 to 95 | D15 to D10 | I/O | Two-way data bus with the SD-RAM |
| 96 | VDD | - | Power supply terminal (+3.3V) |
| 97, 98 | D9, D8 | I/O | Two-way data bus with the SD-RAM |
| 99 | GND | - | Ground terminal |
| 100 | D0 | I/O | Two-way data bus with the SD-RAM |

**MAIN BOARD IC603 CXD9866R (INTERLACE/PROGRESSIVE CONVERTER)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 to 3 | TEST0 to TEST2 | I | Input terminal for the test |
| 4 | ALSB | I | I2C slave address setting terminal |
| 5 | SDA | I/O | I2C two-way data bus with the DVD interface, CPU and video encoder |
| 6 | SCL | I | I2C bus clock signal input from the CPU |
| 7 | TEST3 | I | Input terminal for the test |
| 8 | NRST | I | Reset signal input from the CPU "L": reset |
| 9 | TEST4 | I | Input terminal for the test |
| 10 | CLKI | I | 27 MHz clock signal input from the CPU |
| 11 | TEST5 | I | Input terminal for the test |
| 12 | AVS1 | - | Ground terminal (analog system) |
| 13 | AVD1 | - | Power supply terminal (+3.3V) (analog system) |
| 14 | CPO | O | Charge pump output terminal |
| 15 | VCI | I | VCO input terminal |
| 16 | AVS2 | - | Ground terminal (analog system) |
| 17 | AVD2 | - | Power supply terminal (+3.3V) (analog system) |
| 18 | NTEST | I | Input terminal for the test |
| 19 | VI | I | Vertical synchronize signal input terminal Not used |
| 20 | HI | I | Horizontal synchronize signal input terminal Not used |
| 21, 22 | SI0, SI1 | I | Digital video signal input terminal Not used |
| 23 to 30 | SI2 to SI9 | I | Digital video signal input from the CPU |
| 31 | VSS | - | Ground terminal (digital system) |
| 32 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 33 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 34 to 43 | CO9 to CO0 | O | CB (component video) and CR (component video) signal output to the video encoder |
| 44 | VSS | - | Ground terminal (digital system) |
| 45 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 46 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 47 to 56 | YO9 to YO0 | O | Y (component video) signal output to the video encoder |
| 57 | VSS | - | Ground terminal (digital system) |
| 58 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 59 | CLKO | O | 27 MHz clock signal output to the video encoder |
| 60 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 61 to 70 | SO9 to SO0 | O | Video signal output to the video encoder |
| 71 | TEST6 | I | Input terminal for the test |
| 72 | HO | O | Horizontal synchronize signal output terminal Not used |
| 73 | VO | O | Vertical synchronize signal output terminal Not used |
| 74 | FILM | O | Film detection flag output terminal Not used |
| 75 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 76 | VSS | - | Ground terminal (digital system) |
| 77 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 78 | AVSP | - | Ground terminal (analog system) |
| 79 | AVDP | - | Power supply terminal (+3.3V) (analog system) |
| 80 | VSS | - | Ground terminal (digital system) |
| 81 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 82 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 83 | MCLK | O | 108 MHz clock signal output to the SD-RAM |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 84 | VSS | - | Ground terminal (digital system) |
| 85 to 88 | MD19 to MD16 | I/O | Two-way data bus terminal Not used |
| 89 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 90 | VSS | - | Ground terminal (digital system) |
| 91 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 93 | MA3 | O | Address signal output to the SD-RAM |
| 94 | MA4 | O | Address signal output to the SD-RAM |
| 95 | MA2 | O | Address signal output to the SD-RAM |
| 96 | MA5 | O | Address signal output to the SD-RAM |
| 97 | MA1 | O | Address signal output to the SD-RAM |
| 98 | MA6 | O | Address signal output to the SD-RAM |
| 99 | MA0 | O | Address signal output to the SD-RAM |
| 99 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 100 | VSS | - | Ground terminal (digital system) |
| 101 | MA7 | O | Address signal output to the SD-RAM |
| 102 | MA10 | O | Address signal output to the SD-RAM |
| 103 | MA8 | O | Address signal output to the SD-RAM |
| 104 | MA11 | O | Address signal output to the SD-RAM |
| 105 | MA9 | O | Address signal output to the SD-RAM |
| 106 | RAS | O | Row address signal output to the SD-RAM |
| 107 | DQM | O | Write mask signal output to the SD-RAM |
| 108 | CAS | O | Column address signal output to the SD-RAM |
| 109 | WE | O | Write enable signal output to the SD-RAM |
| 110 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 111 | VSS | - | Ground terminal (digital system) |
| 112 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 113 | MD7 | I/O | Two-way data bus with the SD-RAM |
| 114 | MD8 | I/O | Two-way data bus with the SD-RAM |
| 115 | MD6 | I/O | Two-way data bus with the SD-RAM |
| 116 | MD9 | I/O | Two-way data bus with the SD-RAM |
| 117 | MD5 | I/O | Two-way data bus with the SD-RAM |
| 118 | MD10 | I/O | Two-way data bus with the SD-RAM |
| 119 | MD4 | I/O | Two-way data bus with the SD-RAM |
| 120 | MD11 | I/O | Two-way data bus with the SD-RAM |
| 121 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 122 | VSS | - | Ground terminal (digital system) |
| 123 | MD3 | I/O | Two-way data bus with the SD-RAM |
| 124 | MD12 | I/O | Two-way data bus with the SD-RAM |
| 125 | MD2 | I/O | Two-way data bus with the SD-RAM |
| 126 | MD13 | I/O | Two-way data bus with the SD-RAM |
| 127 | MD1 | I/O | Two-way data bus with the SD-RAM |
| 128 | MD14 | I/O | Two-way data bus with the SD-RAM |
| 129 | MD0 | I/O | Two-way data bus with the SD-RAM |
| 130 | MD15 | I/O | Two-way data bus with the SD-RAM |
| 131 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 132 | VSS | - | Ground terminal (digital system) |
| 133 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 134 | QV | O | Vertical synchronize signal output to the HDMI transmitter |
| 135 | QH | O | Horizontal synchronize signal output to the HDMI transmitter |
| 136 | QDE | O | Data enable signal output to the HDMI transmitter |
| 137 | VSS | - | Ground terminal (digital system) |
| 138 to 141 | QB0 to QB3 | O | RGB (blue) signal output to the HDMI transmitter |
| 142 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 143 to 146 | QB4 to QB7 | O | RGB (blue) signal output to the HDMI transmitter |
| 147 | VSS | - | Ground terminal (digital system) |
| 148 | QCLK | O | Clock signal output to the HDMI transmitter |
| 149 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 150 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 151 to 154 | QG0 to QG3 | O | RGB (green) signal output to the HDMI transmitter |
| 155 | VSS | - | Ground terminal (digital system) |
| 156 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 157 to 160 | QG4 to QG7 | O | RGB (green) signal output to the HDMI transmitter |
| 161 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 162 | VSS | - | Ground terminal (digital system) |
| 163 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 164 to 167 | QR0 to QR3 | O | RGB (red) signal output to the HDMI transmitter |
| 168 | VSS | - | Ground terminal (digital system) |
| 169 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 170 to 173 | QR4 to QR7 | O | RGB (red) signal output to the HDMI transmitter |
| 174 | VDDI | - | Power supply terminal (+1.8V) (for core) |
| 175 | VDDE | - | Power supply terminal (+3.3V) (for I/O) |
| 176 | VSS | - | Ground terminal (digital system) |

**MIAN BOARD IC804 HD6432365A19FV-TAA70 (I.LINK SYSTEM CONTROLLER)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1, 2 | MD0, MD1 | I | CPU operation mode setting terminal |
| 3, 4 | VSS | - | Ground terminal |
| 5 | MD2 | I | CPU operation mode setting terminal |
| 6 | VCC | - | Power supply terminal (+3.3V) |
| 7 | A0 | O | Address signal output terminal Not used |
| 8 to 11 | A1 to A4 | O | Address signal output to the flash memory and i.link interface |
| 12 | VSS | - | Ground terminal |
| 13 to 18 | A5 to A10 | O | Address signal output to the flash memory and i.link interface |
| 19, 20 | A11, A12 | O | Address signal output to the flash memory |
| 21 | VSS | - | Ground terminal |
| 22 to 25 | A13 to A16 | O | Address signal output to the flash memory |
| 26 | VSS | - | Ground terminal |
| 27 to 29 | A17 to A19 | O | Address signal output to the flash memory |
| 30 to 33 | A20 to A23 | O | Address signal output terminal Not used |
| 34 | EMLE | I | Internal emulator enable setting terminal Fixed at "L" this set |
| 35, 36 | VSS | - | Ground terminal |
| 37 | TDO | O | Data output terminal (for JTAG) |
| 38 | NMI | I | Non maskable interrupt signal input terminal Not used |
| 39 | VCC | - | Power supply terminal (+3.3V) |
| 40 | ARMRST | O | Reset signal output to the i.link interface "L": reset |
| 41 to 56 | - | - | Not used |
| 57 to 63 | D0 to D6 | I/O | Two-way data bus with the flash memory and i.link interface |
| 64 | VSS | - | Ground terminal |
| 65 | D7 | I/O | Two-way data bus with the flash memory and i.link interface |
| 66 | VCC | - | Power supply terminal (+3.3V) |
| 67 | NC | - | Not used |
| 68 | VSS | - | Ground terminal |
| 69 to 76 | D8 to D15 | I/O | Two-way data bus with the flash memory and i.link interface |
| 77 | WAIT | I | Bus wait request signal input from the i.link interface |
| 78, 79 | CS5, CS6 | I | Chip select signal input terminal Not used |
| 80 | LWR | O | Data write enable signal output terminal Not used |
| 81 | HWR | O | Data write enable signal output to the flash memory and i.link interface |
| 82 | RD | O | Data read enable signal output to the flash memory and i.link interface |
| 83 | - | - | Not used |
| 84 | PLLVCC | - | Power supply terminal (+3.3V) |
| 85 | RES | I | Reset signal input from the system controller "L": reset |
| 86 | PLLVSS | - | Ground terminal |
| 87 | CLK | O | Bus clock signal output to the i.link interface |
| 88 | VSS | - | Ground terminal |
| 89 | XTAL | O | System clock output terminal Not used |
| 90 | EXTAL | I | System clock (24.576 MHz) input from the clock driver |
| 91, 92 | VCC | - | Power supply terminal (+3.3V) |
| 93, 94 | - | - | Not used |
| 95 | VSS | - | Ground terminal |
| 96 | STBY | I | Standby signal input terminal Not used |
| 97 | - | - | Not used |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 98 | CS_MEMZ | O | Chip select signal output to the i.link interface |
| 99, 100 | VSS | - | Ground terminal |
| 101 | CS2 | O | Chip select signal output to the flash memory |
| 102 | CS_IOZ | O | Chip select signal output to the i.link interface |
| 103 | AVCC | - | Power supply terminal (+3.3V) |
| 104 | VREF | I | Reference voltage input terminal (+3.3V) |
| 105 | ARMINT | I | Interrupt request signal input from the i.link interface |
| 106 to 114 | - | - | Not used |
| 115 | AVSS | - | Ground terminal |
| 116 | TCK | I | Clock signal input terminal (for JTAG) |
| 117 | TMS | I | Mode selection signal input terminal (for JTAG) |
| 118 | TDI | I | Data input terminal (for JTAG) |
| 119 | CTS | I | Transmit request signal input from the system controller |
| 120 | RTS | O | Transmit request signal output to the system controller |
| 121 | - | - | Not used |
| 122 | TRST | I | Reset signal input terminal (for JTAG) |
| 123, 124 | - | - | Not used |
| 125 | RXD1 | I | UART receive data input terminal when writing internal flash memory |
| 126 | RXD0 | I | UART receive data input from the system controller |
| 127 | TXD1 | O | UART transmit data output terminal when writing internal flash memory |
| 128 | TXD0 | O | UART transmit data output to the system controller |

**MAIN BOARD IC805 TSB43CA42PGF (I.LINK INTERFACE)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | VSS | - | Ground terminal |
| 2, 3 | TESTMODE0, TESTMODE1 | I | Setting terminal for the test mode Normally: fixed at "L" |
| 4 | VDD | - | Power supply terminal (+3.3V) |
| 5 | VCO_CLK | I | Audio master clock signal input terminal Not used |
| 6 | REF_SYT | O | Signal output terminal for phase comparison Not used |
| 7 | DIV_VCO | O | Clock signal output terminal for phase comparison Not used |
| 8 | PFD | - | Terminal for the test |
| 9 | MLPCM_BCLK | I | Bit clock signal input from the CPU |
| 10 | MLPCM_LRCK | I | L/R sampling clock input from the CPU |
| 11 | MLPCM_D0 | I | Audio data (for front) input from the lip sync adjust |
| 12 | MLPCM_D1 | I | Audio data (for rear) input from the lip sync adjust |
| 13 | MLPCM_D2 | I | Audio data (for center and woofer) input from the lip sync adjust |
| 14 | MLPCM_A | I | PCM audio supplementary signal input terminal Not used |
| 15 to 18 | GPIO2 to GPIO5 | I/O | Not used |
| 19 | MSPCTL | I | Setting terminal for the PHY maximum transmission rate<br>"L": S400, "H": S200 Fixed at "H" in this set |
| 20 | VDD | - | Power supply terminal (+3.3V) |
| 21 | VSS | - | Ground terminal |
| 22 | CPS | I | Cable power status detection signal input terminal Not used |
| 23 | AVDD | - | Power supply terminal (+3.3V) |
| 24 | AGND | - | Ground terminal |
| 25, 26 | TPB0_N, TPB0_P | O | I.link audio signal output to the I.LINK S200 (AUDIO) 1 connector |
| 27 | AGND | - | Ground terminal |
| 28 | AVDD | - | Power supply terminal (+3.3V) |
| 29, 30 | TPA0_N, TPA0_P | O | I.link audio signal output to the I.LINK S200 (AUDIO) 1 connector |
| 31 | TPBIAS0 | O | Bias control signal output terminal for i.link audio signal |
| 32 | AVDD | - | Power supply terminal (+3.3V) |
| 33, 34 | TPB1_N, TPB1_P | O | I.link audio signal output to the I.LINK S200 (AUDIO) 2 connector |
| 35 | AGND | - | Ground terminal |
| 36, 37 | TPA1_N, TPA1_P | O | I.link audio signal output to the I.LINK S200 (AUDIO) 2 connector |
| 38 | TPBIAS1 | O | Bias control signal output terminal for i. link audio signal |
| 39, 40 | NC | - | Not used |
| 41 | AVDD | - | Power supply terminal (+3.3V) |
| 42 to 44 | NC | - | Not used |
| 45 | AGND | - | Ground terminal |
| 46, 47 | R1. R0 | - | Connected to the external resistor for current adjustment |
| 48 | AVDD | - | Power supply terminal (+3.3V) |
| 49, 50 | FILTER0, FILTER1 | - | Connected to the external capacitor for PLL filter |
| 51 | PLL_VDD | - | Power supply terminal (+3.3V) |
| 52 | XI | I | System clock (24.576 MHz) input from the clock driver |
| 53 | XO | O | System clock output terminal Not used |
| 54 | PLL_GND | - | Ground terminal |
| 55 | VSS | - | Ground terminal |
| 56 | VDD | - | Power supply terminal (+3.3V) |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 57, 58 | TEST_MODE2, TEST_MODE3 | - | Terminal for the test mode Normally: fixed at "L" |
| 59 | RESET | I | Reset signal input from the system controller "L": reset |
| 60 | RESET_ARM | I | Reset signal input from the i.link system controller "L": reset |
| 61 | LINK_ON | O | LINK on/off control signal output terminal Not used |
| 62 | HPS | I | Host power supply status detection signal input terminal Not used |
| 63 | LOW_PWR_RDY | O | Power supply detection signal output terminal Not used |
| 64 | DISABLE_IF | I | Interface disable signal input terminal Not used |
| 65, 66 | GPIO0, GPIO1 | I/O | Not used |
| 67 | SDA | I/O | Serial data input/output terminal Not used |
| 68 | SCL | I/O | Serial data transfer clock signal input/output terminal Not used |
| 69 to 72 | GPIO6 to GPIO9 | I/O | Not used |
| 73 | REG_EN | I | Setting terminal for the internal regulator enable |
| 74 | REG_OUT | O | +1.8V power supply output terminal |
| 75 | VDD | - | Power supply terminal (+3.3V) |
| 76 | VSS | - | Ground terminal |
| 77 | TMS | I | Mode selection signal input terminal (for JTAG) |
| 78 | TDI | I | Data input terminal (for JTAG) |
| 79 | TDO | O | Data output terminal (for JTAG) |
| 80 | TCK | I | Clock signal input terminal (for JTAG) |
| 81 | TRST | I | Reset signal input terminal (for JTAG) |
| 82 | ARM_TMS | I | Mode selection signal input terminal (for ARM JTAG) |
| 83 | ARM_TDI | I | Data input terminal (for ARM JTAG) |
| 84 | ARM_TDO | O | Data output terminal (for ARM JTAG) |
| 85 | UART_TXD | O | UART transmit data output terminal when writing internal flash memory |
| 86 | UART_RXD | I | UART receive data input terminal when writing internal flash memory |
| 87 | GPIO10 | I/O | Not used |
| 88 | TMR WTCHDOG | O | Watch dog timer output terminal Not used |
| 89 | MCIF_INT | O | Interrupt request signal output to the i.link system controller |
| 90 | MCIF_CS_IO | I | Chip select signal input from the i.link system controller |
| 91 | MCIF_CS_MEM | I | Chip select signal input from the i.link system controller |
| 92 | MCIF_R_NW | I | Write/read selection signal input terminal for interface<br>"L": write, "H": read Fixed at "H" this set |
| 93 | MCIF_STRB | I | Strobe signal input terminal for interface Not used |
| 94 | MCIF_WAIT | O | Bus wait request signal output to the i.link system controller |
| 95 | MCIF_ACK | I/O | Acknowledge signal input/output terminal for interface Not used |
| 96 | MCIF_OE | I | Data read enable signal input from the i.link system controller |
| 97 | MCIF_WE | I | Data write enable signal input from the i.link system controller |
| 98 | MCIF_BUSCLK | I | Bus clock signal input from the i.link system controller |
| 99, 100 | MCIF_DATA0, MCIF_DATA1 | I/O | Two-way data bus with the flash memory and i.link system controller |
| 101 | VDD | - | Power supply terminal (+3.3V) |
| 102 | VSS | - | Ground terminal |
| 103 to 114 | MCIF_DATA2 to MCIF_DATA13 | I/O | Two-way data bus with the flash memory and i.link system controller |
| 115 | REG_OUT | O | +1.8V power supply output terminal |
| 116 | VDD | - | Power supply terminal (+3.3V) |
| 117 | VSS | - | Ground terminal |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 118, 119 | MCIF_DATA14, MCIF_DATA15 | I/O | Two-way data bus with the flash memory and i.link system controller |
| 120 to 129 | MCIF_ADDR1 to MCIF_ADDR10 | I | Address signal input from the i.link system controller |
| 130 | VDD | - | Power supply terminal (+3.3V) |
| 131 | VSS | - | Ground terminal |
| 132 | MCIF ENDIAN | I | Endian setting terminal for interface<br>"L": big endian, "H": little endian Fixed at "L" this set |
| 133 to 135 | MCIF_MODE0 to MCIF_MODE2 | I | CPU operation mode setting terminal |
| 136 | HSDI0_60958_IN | I | 60958 data input terminal Not used |
| 137 | HSDI0_ AMCLK_IN | I | Audio master clock signal input terminal Not used |
| 138 | HSDI0_CLK | I | Clock signal input terminal Not used |
| 139 | HSDI0_EN | I | Data enable signal input terminal Not used |
| 140 | HSDI0_AV | O | Not used |
| 141 | HSDI0_SYNC | O | SYNC signal output terminal Not used |
| 142 | HSDI0_DVALID | O | Not used |
| 143, 144 | HSDI0_D0, HSDI0_D1 | I/O | Data input/output terminal Not used |
| 145 | VDD | - | Power supply terminal (+3.3V) |
| 146 | VSS | - | Ground terminal |
| 147 to 152 | HSDI0_D2 to HSDI0_D7 | I/O | Data input/output terminal Not used |
| 153 | HSDI1_CLK | I | DSD clock signal input from the i.link DSP |
| 154 | HSDI1_EN | I | Data enable signal input terminal Not used |
| 155 | HSDI1_AV | O | Not used |
| 156 | HSDI1_SYNC | I | Frame signal input from the i.link DSP |
| 157 | HSDI1_DVALID | O | Not used |
| 158 | HSDI1_D0 | I | DSD data (for front L-ch) input from the i.link DSP |
| 159 | HSDI1_D1 | I | DSD data (for front R-ch) input from the i.link DSP |
| 160 | REG_OUT | O | +1.8V power supply output terminal |
| 161 | VDD | - | Power supply terminal (+3.3V) |
| 162 | VSS | - | Ground terminal |
| 163 | HSDI1_D2 | I | DSD data (for center) input from the i.link DSP |
| 164 | HSDI1_D3 | I | DSD data (for woofer) input from the i.link DSP |
| 165 | HSDI1_D4 | I | DSD data (for rear L-ch) input from the i.link DSP |
| 166 | HSDI1_D5 | I | DSD data (for rear R-ch) input from the i.link DSP |
| 167 | HSDI1_D6 | I | Ancillary signal input from the i.link DSP |
| 168 | HSDI1_D7 | I/O | Data input/output terminal Not used |
| 169 | HSDI1_ AMCLK_IN | I | Audio master clock signal input from clock generator |
| 170 | HSDI1_ AMCLK_OUT | O | Audio master clock signal output terminal Not used |
| 171 | HSDI1_ AMCLK_ERR | O | Audio error signal output terminal Not used |
| 172 | HSDI1_ AMCLK_MUTE | O | Audio muting on/off control signal output terminal Not used |
| 173 | HSDI1_60958_IN | I | Digital audio data input from the lip sync adjust |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 174 | HSDI1_60958_OUT | O | Digital audio signal output terminal Not used |
| 175 | VDD | - | Power supply terminal (+3.3V) |
| 176 | VSS | - | Ground terminal |

**MAIN BOARD IC807 LC4128V-75TN100C-SIA01 (I.LINK DSP)**

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 1 | GND | - | Ground terminal |
| 2 | TDI | I | Data input terminal (for download) |
| 3 to 6 | A1 to A4 | O | Address signal input from the CPU |
| 7 | GND BANK0 | - | Ground terminal |
| 8 | CS_PLD | I | Chip select signal input from the CPU |
| 9 to 11 | B10, B12, B13 | - | Not used |
| 12 | INPUT ONLY | I | Connected to the ground |
| 13 | VCC | - | Power supply terminal (+3.3V) |
| 14 to 17 | D0 to D3 | I | Two-way data bus with the flash memories, CPU and SACD media player |
| 18 | GND | - | Ground terminal |
| 19 to 22 | C6 to C4, C2 | - | Not used |
| 23 | INPUT ONLY | I | Connected to the ground |
| 24 | TCK | I | Clock signal input terminal (for download) |
| 25 | VCC | - | Power supply terminal (+3.3V) |
| 26 | GND | - | Ground terminal |
| 27 | INPUT ONLY | I | Connected to the ground |
| 28 | D13 | - | Not used |
| 29 | DSD_IN_0 | I | DSD data (for front L-ch) input from the SACD media player |
| 30 | DSD_IN_1 | I | DSD data (for front R-ch) input from the SACD media player |
| 31 | DSD_IN_2 | I | DSD data (for center) input from the SACD media player |
| 32 | GND | - | Ground terminal |
| 33 | VCC | - | Power supply terminal (+3.3V) |
| 34 | DSD_IN_3 | I | DSD data (for woofer) input from the SACD media player |
| 35 | DSD_IN_4 | I | DSD data (for rear L-ch) input from the SACD media player |
| 36 | DSD_IN_5 | I | DSD data (for rear R-ch) input from the SACD media player |
| 37 | FRAME_IN | I | Frame signal input from the SACD media player |
| 38 | DSD_CLK_IN | I | DSD clock signal input from the SACD media player |
| 39 | CLK2 | - | Not used |
| 40 | VCC | - | Power supply terminal (+3.3V) |
| 41 | ANCILLARY | O | Ancillary signal output to the i.link interface |
| 42 to 44 | E2, E4, E6 | - | Not used |
| 45 | VCC | - | Power supply terminal (+3.3V) |
| 46 | GND | - | Ground terminal |
| 47 to 49 | E8, E10, E12 | - | Not used |
| 50 | FRAME_OUT | O | Frame signal output to the i.link interface |
| 51 | GND | - | Ground terminal |
| 52 | TMS | I | Mode selection signal input terminal (for download) |
| 53 | DSD_CLK_OUT | I | DSD clock signal output to the i.link interface |
| 54 | DSD_OUT_0 | O | DSD data (for front L-ch) output to the i.link interface |
| 55 | DSD_OUT_1 | O | DSD data (for front R-ch) output to the i.link interface |
| 56 | DSD_OUT_2 | O | DSD data (for center) output to the i.link interface |
| 57 | GND | - | Ground terminal |
| 58 | DSD_OUT_3 | O | DSD data (for woofer) output to the i.link interface |
| 59 | DSD_OUT_4 | O | DSD data (for rear L-ch) output to the i.link interface |
| 60 | DSD_OUT_5 | O | DSD data (for rear R-ch) output to the i.link interface |
| 61 | F13 | - | Not used |

| Pin No. | Pin Name | I/O | Description |
|---|---|---|---|
| 62 | INPUT ONLY | I | Connected to the ground |
| 63 | VCC | - | Power supply terminal (+3.3V) |
| 64 to 67 | G14, G12, G10, G8 | - | Not used |
| 68 | GND | - | Ground terminal |
| 69 to 72 | G6 to G4, G2 | - | Not used |
| 73 | INPUT ONLY | I | Connected to the ground |
| 74 | TDO | O | Data output terminal (for download) |
| 75 | VCC | - | Power supply terminal (+3.3V) |
| 76 | GND | - | Ground terminal |
| 77 | INPUT ONLY | I | Connected to the ground |
| 78 to 81 | H13, H12, H10, H8 | - | Not used |
| 82 | GND | - | Ground terminal |
| 83 | VCC | - | Power supply terminal (+3.3V) |
| 84 to 86 | H6, H4, H2 | - | Not used |
| 87 | RESET | I | Reset signal input from the CPU "L": reset |
| 88 | CLK3 | - | Not used |
| 89 | 512FS | I | Master clock signal input from the clock generator |
| 90 | VCC | - | Power supply terminal (+3.3V) |
| 91 | A0/GOE0 | - | Not used |
| 92 to 94 | A2, A4, A6 | - | Not used |
| 95 | VCC | - | Power supply terminal (+3.3V) |
| 96 | GND | - | Ground terminal |
| 97 to 100 | A8, A10, A12, A14 | - | Not used |

# SECTION 8
# EXPLODED VIEWS

**NOTE:**

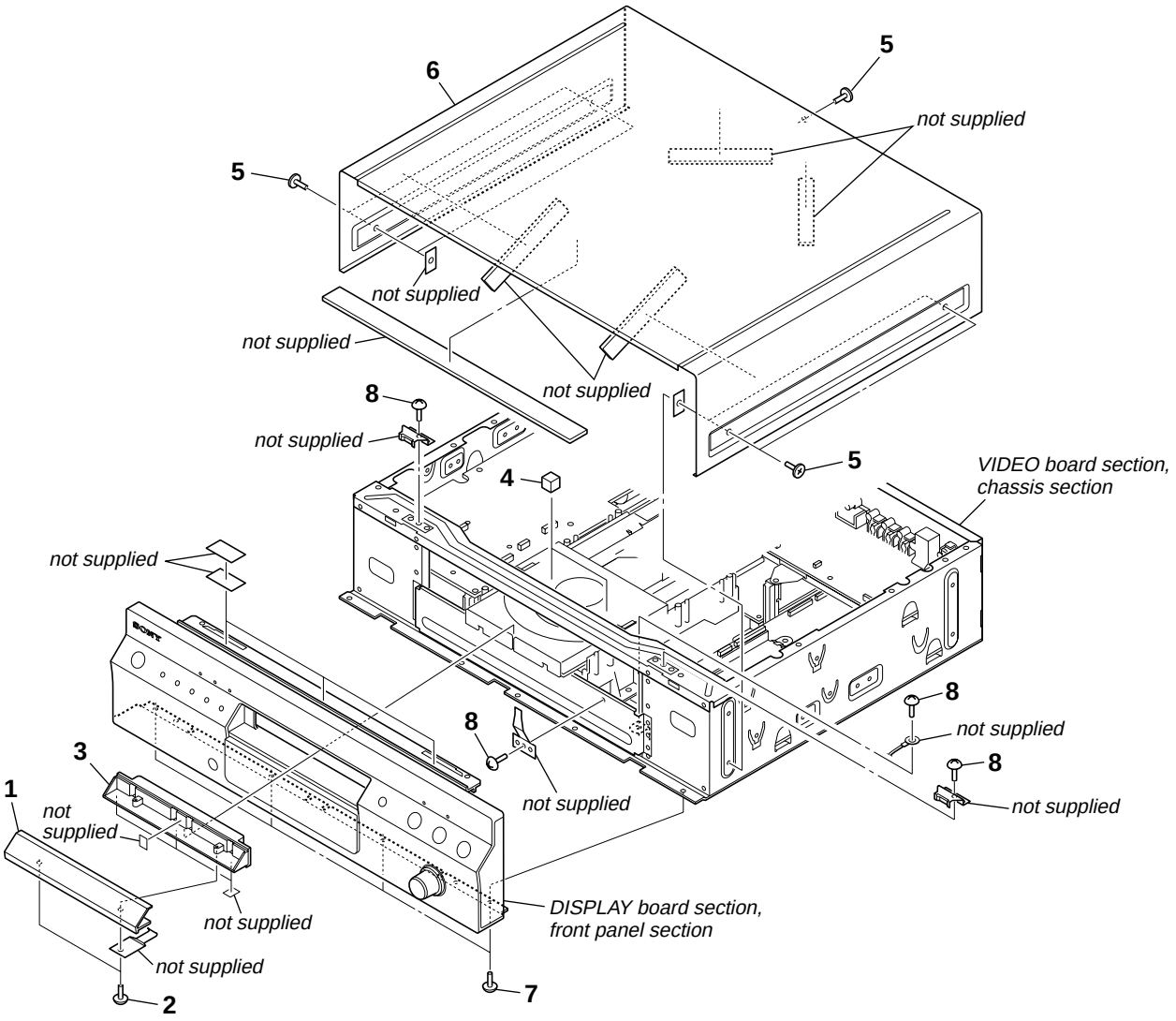
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- Color Indication of Appearance Parts
  Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts Color Cabinet's Color
- Abbreviation
  CH : Chinese model KR : Korean model
  CND : Canadian model RU : Russian model
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Accessories are given in the last of the electrical parts list.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

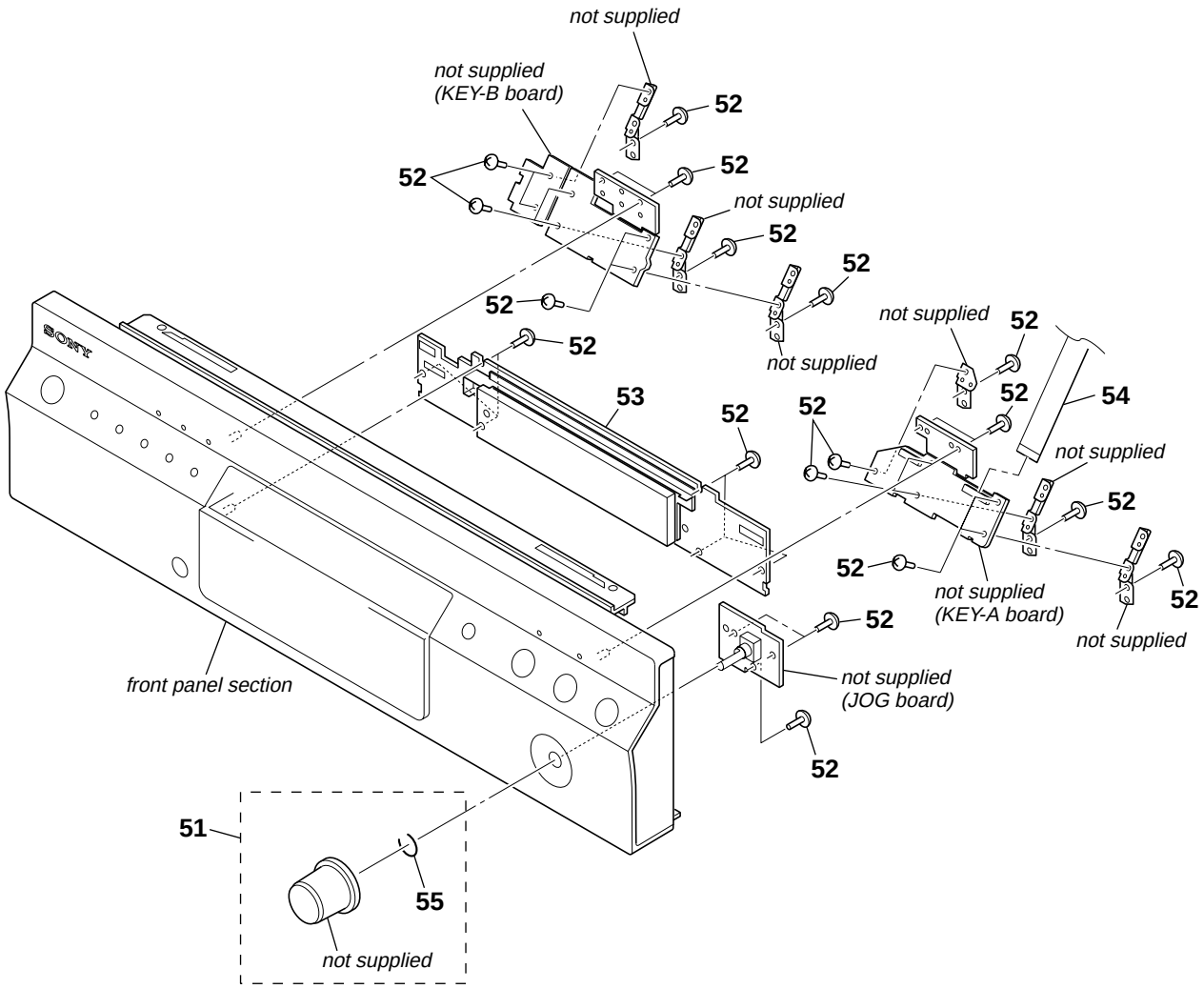
原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

## 8-1. CASE SECTION



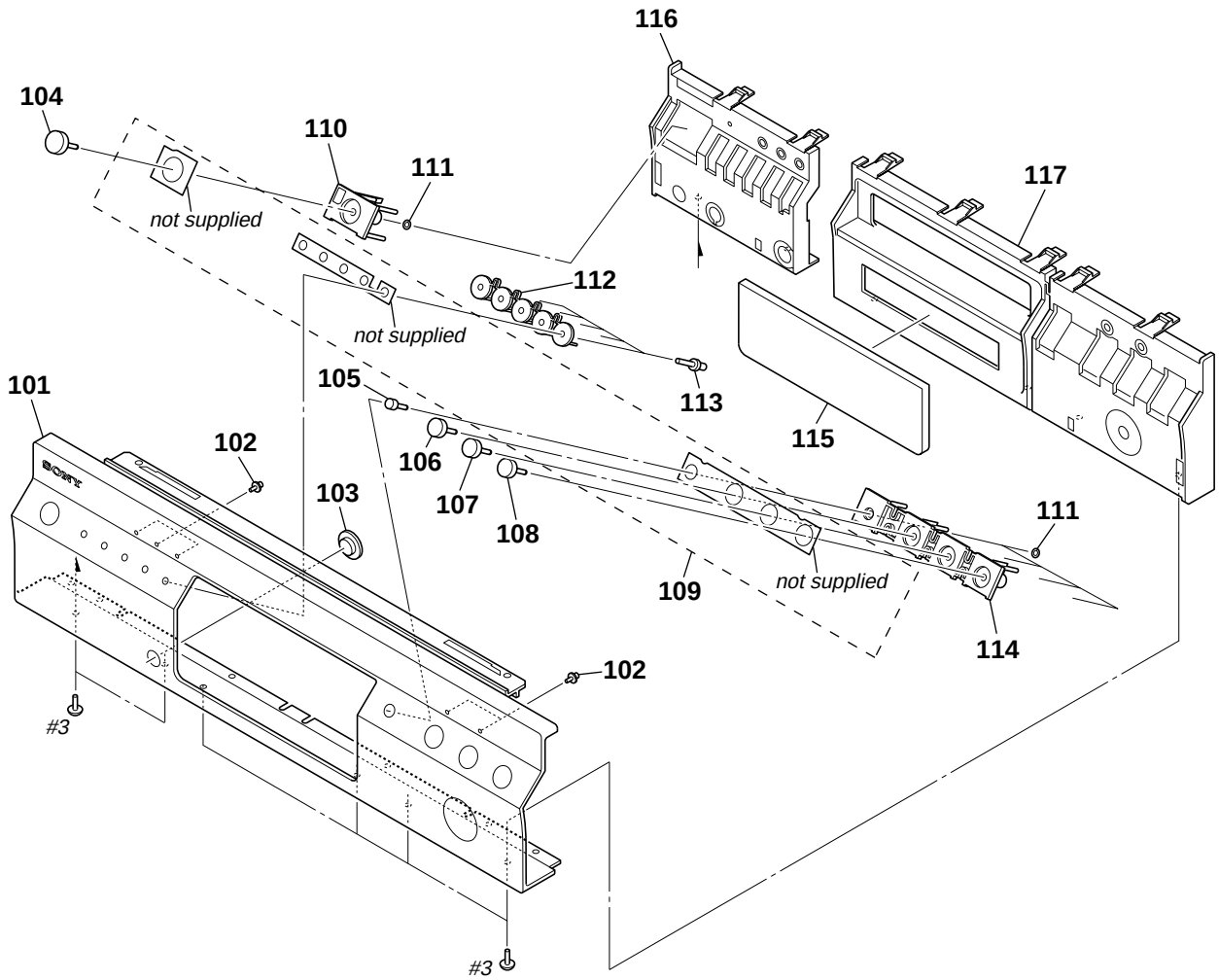

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 1 | 2-546-951-11 | PANEL, LOADING (BLACK) | |
| 1 | X-2025-361-1 | PANEL ASSY, LOADING (SILVER) | |
| 2 | 3-087-053-01 | +BVTP2.6 (3CR) | |
| 3 | 2-546-952-01 | BASE (LOADING PANEL) (for SILVER) | |
| 3 | 2-546-952-11 | BASE (LOADING PANEL) (for BLACK) | |
| 4 | 3-561-427-01 | CUSHION | |
| 5 | 4-227-843-03 | SCREW (TP), FLAT HEAD (for BLACK) | |
| 5 | 4-227-843-31 | SCREW (TP), FLAT HEAD (for SILVER) | |
| 6 | 4-220-301-32 | CASE (BLACK) | |
| 6 | 4-220-301-81 | CASE (SILVER) | |
| 7 | 3-704-515-22 | SCREW (BV/RING) | |
| 8 | 4-974-510-11 | SCREW (+BV 3X8 CU) | |

## 8-2. DISPLAY BOARD SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 51 | X-4955-651-1 | KNOB (SEL) ASSY (for SILVER) | |
| 51 | X-4955-656-2 | KNOB (SEL) ASSY (for BLACK) | |
| 52 | 3-087-053-01 | +BVTP2.6 (3CR) | |
| 53 | A-1088-390-A | DISPLAY BOARD, COMPLETE | |
| 54 | 1-828-620-11 | WIRE (FLAT TYPE) (19 CORE) | |
| 55 | 3-350-426-01 | SPRING | |

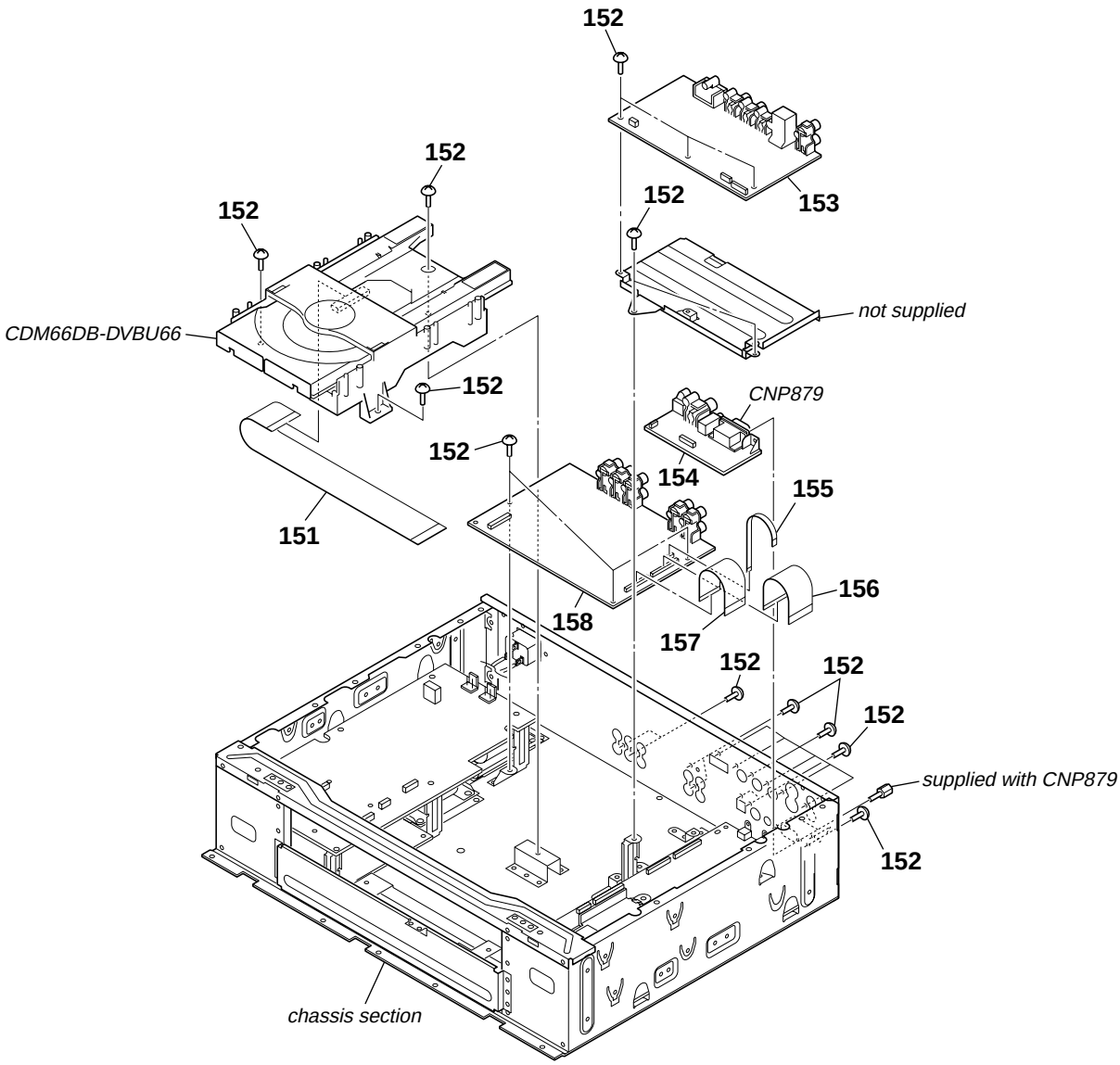
## 8-3. FRONT PANEL SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 101 | 4-246-560-61 | PANEL, FRONT (SILVER) (US, CND) | |
| 101 | 4-246-560-72 | PANEL, FRONT (SILVER) (AEP, UK, RU, KR, CH) | |
| 101 | 4-246-560-91 | PANEL, FRONT (BLACK) (US) | |
| 102 | X-4950-462-1 | LENS ASSY, LED | |
| 103 | 4-975-105-01 | WINDOW, RAY CATCHER (for BLACK) | |
| 103 | 4-975-105-41 | WINDOW, RAY CATCHER (for SILVER) | |
| 104 | 4-246-121-03 | BUTTON (POWER) (for SILVER) | |
| 104 | 4-246-121-23 | BUTTON (POWER) (for BLACK) | |
| 105 | 4-246-568-01 | BUTTON (OPEN) (⏏) (for BLACK) | |
| 105 | 4-246-568-21 | BUTTON (OPEN) (⏏) (for SILVER) | |
| 106 | 4-246-567-01 | BUTTON (PLAY) (►) (for BLACK) | |
| 106 | 4-246-567-21 | BUTTON (PLAY) (►) (for SILVER) | |
| 107 | 4-246-567-31 | BUTTON (PLAY) (❚❚) (for BLACK) | |
| 107 | 4-246-567-51 | BUTTON (PLAY) (❚❚) (for SILVER) | |
| 108 | 4-246-567-61 | BUTTON (PLAY (■) (for BLACK) | |
| 108 | 4-246-567-81 | BUTTON (PLAY (■) (for SILVER) | |
| 109 | 4-250-643-01 | SHEET (ES-A), ADHESIVE | |

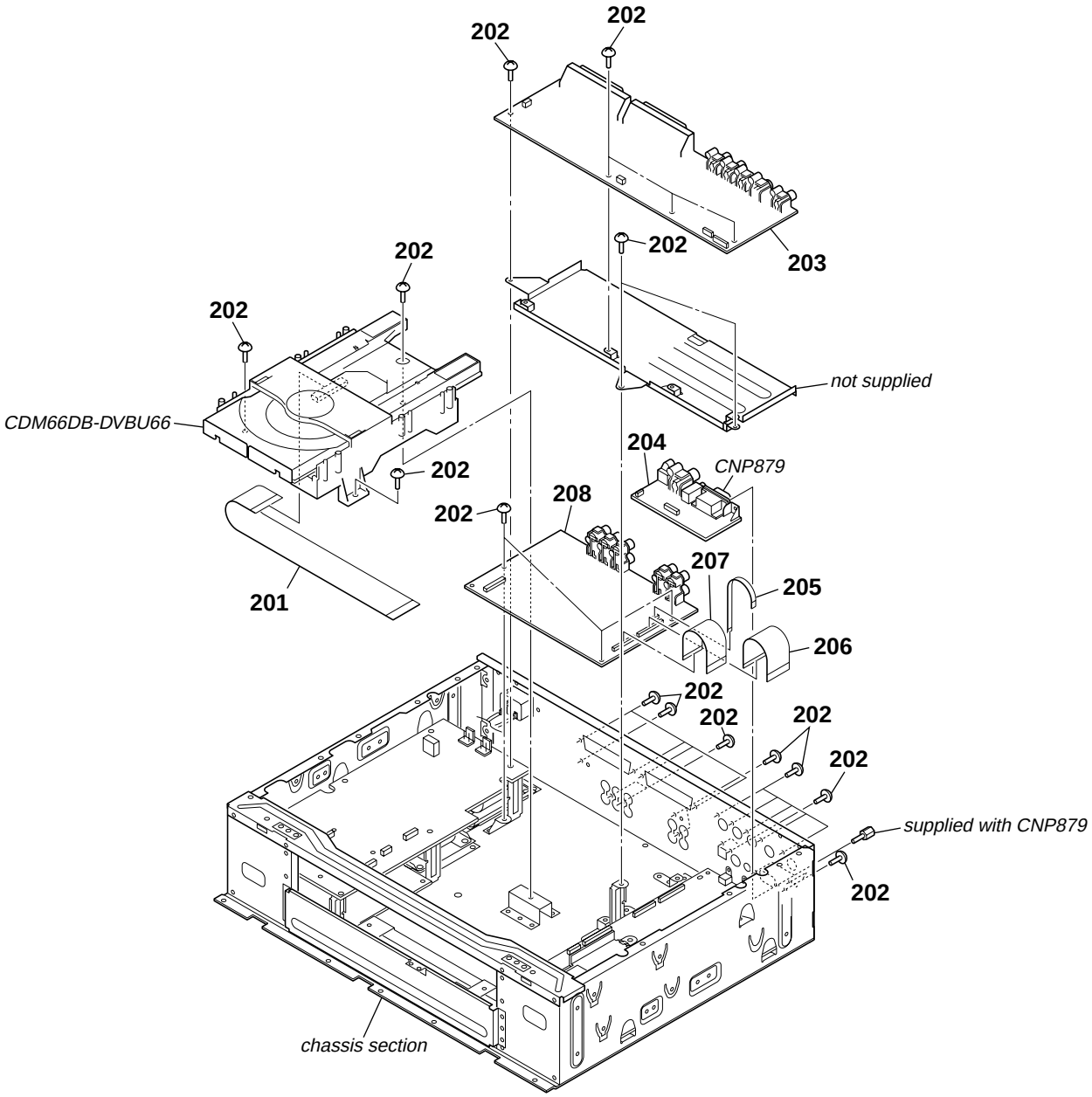
| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 110 | 2-546-955-01 | ESCUTCHEON (POWER) (for SILVER) | |
| 110 | 2-546-955-11 | ESCUTCHEON (POWER) (for BLACK) | |
| 111 | 3-325-697-01 | WASHER | |
| 112 | 4-246-564-01 | ESCUTCHEON (B) (for BLACK) | |
| 112 | 4-246-564-21 | ESCUTCHEON (B) (for SILVER) | |
| 113 | 4-230-635-11 | BUTTON (PLAY MODE) (for BLACK) | |
| 113 | 4-230-635-31 | BUTTON (PLAY MODE) (for SILVER) | |
| 114 | 4-246-563-01 | ESCUTCHEON (A) (for BLACK) | |
| 114 | 4-246-563-21 | ESCUTCHEON (A) (for SILVER) | |
| 115 | 4-246-566-21 | WINDOW (for SILVER) | |
| 115 | 4-246-566-31 | WINDOW (for BLACK) | |
| 116 | 4-246-562-01 | BASE (L), PANEL (for BLACK) | |
| 116 | 4-246-562-22 | BASE (L), PANEL (for SILVER) | |
| 117 | 4-246-561-01 | BASE (R), PANEL (for BLACK) | |
| 117 | 4-246-561-21 | BASE (R), PANEL (for SILVER) | |
| #3 | 7-685-548-19 | SCREW +BTP 3X12 TYPE2 N-S | |

## 8-4. VIDEO BOARD SECTION (US, CND, KR, CH models)



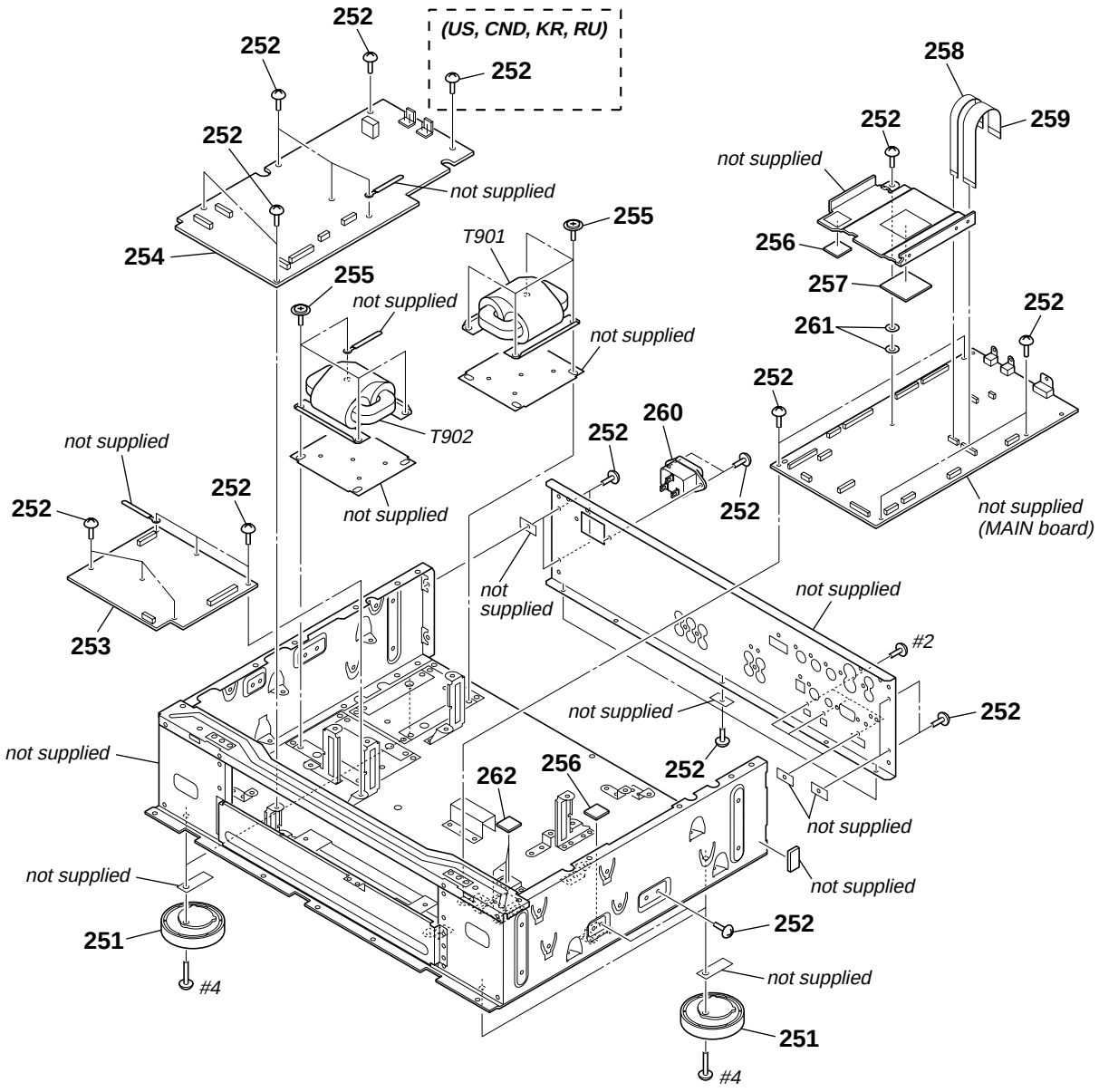

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 151 | 1-775-280-11 | WIRE (FLAT TYPE) (31 CORE) | |
| 152 | 4-974-510-11 | SCREW (+BV 3X8 CU) | |
| 153 | A-1088-440-A | VIDEO BOARD, COMPLETE (US, CND, KR, CH) | |
| 154 | A-1088-436-A | RS232C BOARD, COMPLETE | |
| 155 | 1-828-547-11 | WIRE (FLAT TYPE) (5 CORE) | |
| 156 | 1-828-666-11 | WIRE (FLAT TYPE) (29 CORE) | |
| 157 | 1-828-646-11 | WIRE (FLAT TYPE) (25 CORE) | |
| 158 | A-1088-540-A | AUDIO BOARD, COMPLETE (US, CND, CH) | |
| 158 | A-1151-955-A | AUDIO BOARD, COMPLETE (KR) | |
| CNP879 | 1-815-737-11 | CONNECTOR, (D) SUB 9P (RS232C) | |

## 8-5. VIDEO BOARD SECTION (AEP, UK, RU models)



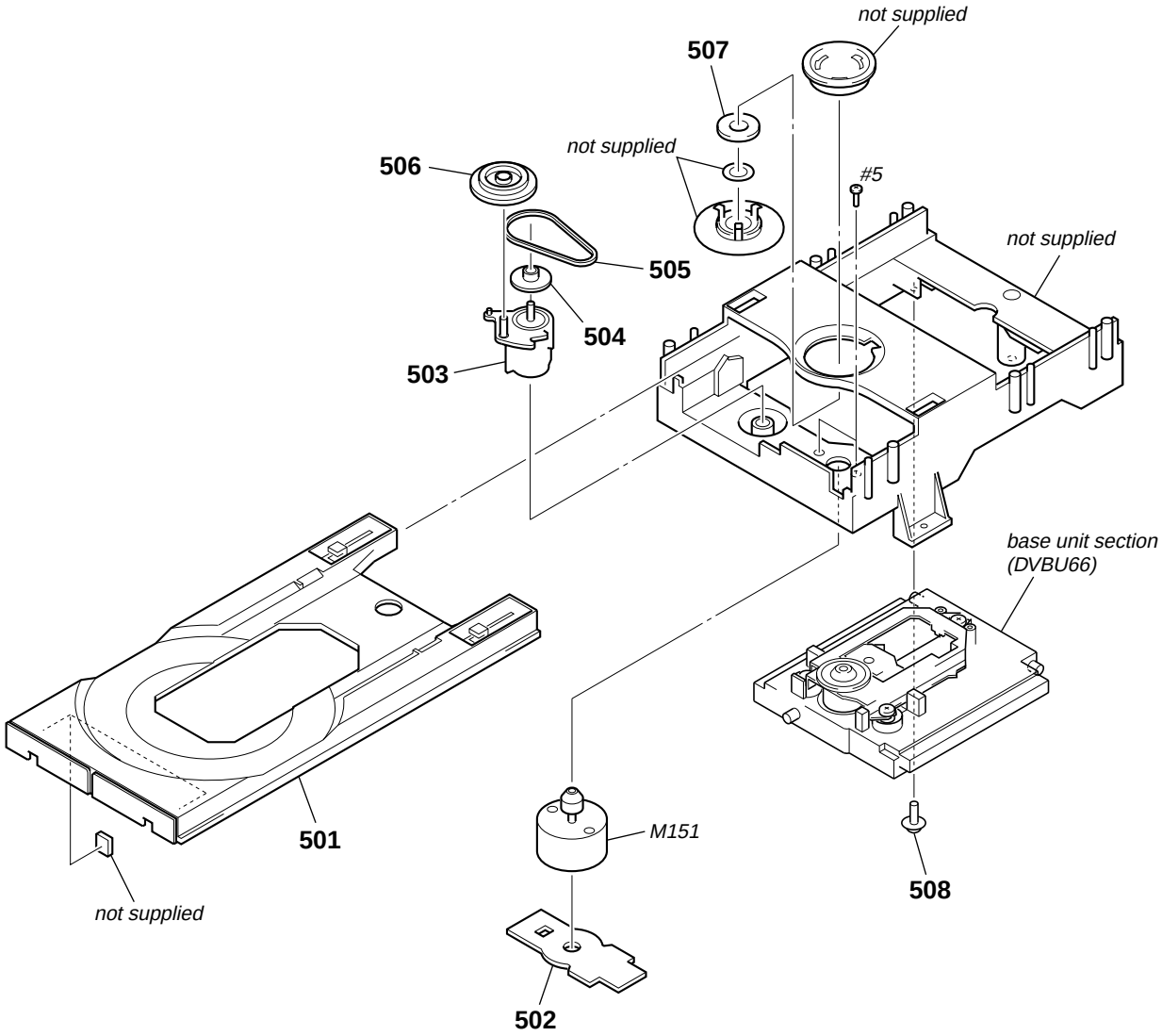

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 201 | 1-775-280-11 | WIRE (FLAT TYPE) (31 CORE) | |
| 202 | 4-974-510-11 | SCREW (+BV 3X8 CU) | |
| 203 | A-1088-441-A | VIDEO BOARD, COMPLETE (AEP, UK, RU) | |
| 204 | A-1088-436-A | RS232C BOARD, COMPLETE | |
| 205 | 1-828-547-11 | WIRE (FLAT TYPE) (5 CORE) | |
| 206 | 1-828-666-11 | WIRE (FLAT TYPE) (29 CORE) | |
| 207 | 1-828-646-11 | WIRE (FLAT TYPE) (25 CORE) | |
| 208 | A-1088-541-A | AUDIO BOARD, COMPLETE (AEP, UK, RU) | |
| CNP879 | 1-815-737-11 | CONNECTOR, (D) SUB 9P (RS232C) | |

## 8-6. CHASSIS SECTION




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 251 | X-4955-348-1 | FOOT ASSY | |
| 252 | 4-974-510-11 | SCREW (+BV 3X8 CU) | |
| 253 | A-1088-435-A | POWER2 BOARD, COMPLETE | |
| 254 | A-1088-432-A | POWER1 BOARD, COMPLETE (US, CND) | |
| 254 | A-1088-434-A | POWER1 BOARD, COMPLETE (AEP, UK, RU) | |
| 254 | A-1123-383-A | POWER1 BOARD, COMPLETE (KR, CH) | |
| 255 | 3-703-249-02 | SCREW, S TIGHT, +PTTWH 3X6 | |
| 256 | 2-585-361-01 | SHEET, RADIATION | |
| 257 | 2-585-361-21 | SHEET, RADIATION | |
| 258 | 1-828-568-11 | WIRE (FLAT TYPE) (9 CORE) | |
| 259 | 1-828-598-11 | WIRE (FLAT TYPE) (15 CORE) | |
| ⚠260 | 1-816-880-22 | INLET ASSY, AC (~ AC IN) | |
| 261 | 4-971-099-01 | WASHER (P) | |
| 262 | 2-585-361-11 | SHEET, RADIATION | |
| ⚠T901 | 1-443-561-11 | TRANSFORMER, POWER (US, CND) | |
| ⚠T901 | 1-443-562-11 | TRANSFORMER, POWER (EXCEPT US, CND) | |
| ⚠T902 | 1-443-558-11 | TRANSFORMER, POWER (US, CND) | |
| ⚠T902 | 1-443-559-11 | TRANSFORMER, POWER (EXCEPT US, CND) | |
| #2 | 7-682-548-09 | SCREW +B 3X8 | |
| #4 | 7-685-885-09 | SCREW +BVTT 4X16 (S) | |

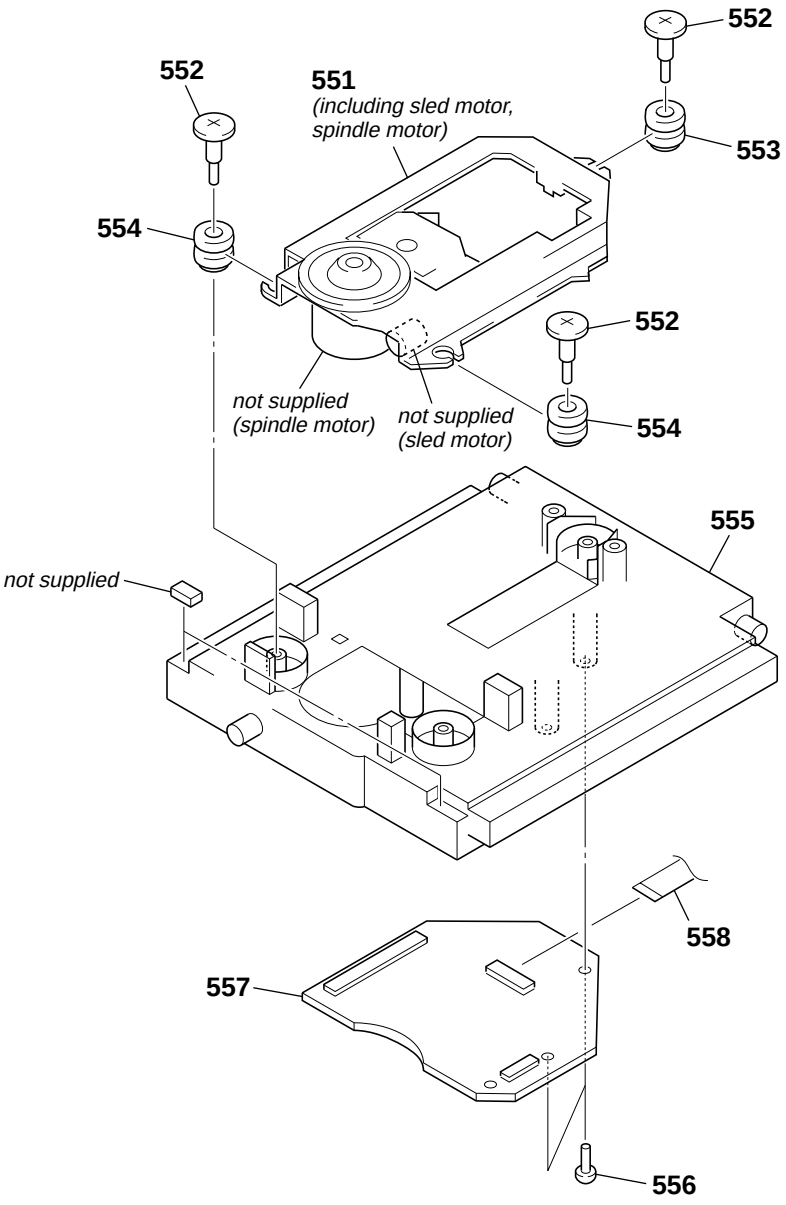
## 8-7. MECHANISM DECK SECTION (CDM66DB-DVBU66)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 501 | 4-231-530-05 | TRAY (66) | |
| 502 | 1-645-721-11 | LOADING BOARD | |
| 503 | 4-232-712-01 | CAM (66) | |
| 504 | 4-232-710-01 | PULLEY (LD) | |
| 505 | 4-232-713-01 | BELT (LD) | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| 506 | 4-232-711-01 | GEAR (LD) | |
| 507 | 3-053-844-01 | YOKE | |
| 508 | 4-227-899-31 | SCREW (DIA. 12), FROATING | |
| M151 | A-4604-363-A | MOTOR (L) ASSY (LOADING) | |
| #5 | 7-621-775-10 | SCREW +B 2.6X4 | |

## 8-8. BASE UNIT SECTION (DVBU66)




| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| ⚠551 | A-1109-165-A | OPTICAL TRAVERSE UNIT (DBU-3) | |
| 552 | 4-981-923-01 | SCREW (M), STEP | |
| 553 | 3-053-847-41 | INSULATOR (BLUE) | |
| 554 | 3-057-023-11 | INSULATOR (RB) (RED) | |
| 555 | 4-240-953-11 | HOLDER (66D) | |
| 556 | 4-218-253-52 | SCREW (M2.6), +BTTP | |
| 557 | A-1088-545-A | BU BOARD, COMPLETE | |
| 558 | 1-824-106-51 | CABLE, FLEXIBLE FLAT (0.5mm PITCH) | |

# SECTION 9
# ELECTRICAL PARTS LIST

AUDIO

**NOTE:**

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX and -X mean standardized parts, so they may have some difference from the original one.
- RESISTORS
  All resistors are in ohms.
  METAL: Metal-film resistor.
  METAL OXIDE: Metal oxide-film resistor.
  F: nonflammable
- Abbreviation
  CH : Chinese model KR : Korean model
  CND : Canadian model RU : Russian model
- Items marked "*" are not stocked since they are seldom required for routine service.
  Some delay should be anticipated when ordering these items.
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA... : µA... uPA... : µPA...
  uPB... : µPB... uPC... : µPC...
  uPD... : µPD...
- CAPACITORS
  uF: µF
- COILS
  uH: µH

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiquens pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

原理图和零件清单中标有⚠记号的零部件、或带有⚠记号的虚线所圈示的零部件，对于维系安全至关重要。因此只能以指定号码的零部件来更换。

When indicating parts by reference number, please include the board.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | A-1088-540-A | AUDIO BOARD, COMPLETE (US, CND, CH) | | | |
| | A-1088-541-A | AUDIO BOARD, COMPLETE (AEP, UK, RU) | | | |
| | A-1151-955-A | AUDIO BOARD, COMPLETE (KR) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C101 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C102 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C103 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C104 | 1-124-698-11 | ELECT | 100uF | 20% | 25V |
| C105 | 1-124-698-11 | ELECT | 100uF | 20% | 25V |
| C106 | 1-126-234-11 | ELECT | 2200uF | 20% | 16V |
| C107 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C108 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C109 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C110 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C111 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C112 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C113 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C115 | 1-126-234-11 | ELECT | 2200uF | 20% | 16V |
| C116 | 1-126-234-11 | ELECT | 2200uF | 20% | 16V |
| C117 | 1-126-234-11 | ELECT | 2200uF | 20% | 16V |
| C118 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C119 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C120 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C121 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C122 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C123 | 1-162-920-11 | CERAMIC CHIP | 27PF | 5% | 50V |
| C124 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C125 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C126 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C127 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C128 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C129 | 1-137-681-11 | FILM CHIP | 0.1uF | 20% | 16V |
| C130 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C131 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C132 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C133 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C134 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C135 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C136 | 1-137-681-11 | FILM CHIP | 0.1uF | 20% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C137 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C138 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| C139 | 1-137-681-11 | FILM CHIP | 0.1uF | 20% | 16V |
| C140 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C141 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C142 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C143 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C144 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C145 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C146 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C147 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C148 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C149 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C150 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C151 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C152 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C153 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C154 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C155 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C156 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C157 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C158 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C159 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C160 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C161 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C162 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C163 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C164 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C165 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C166 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C167 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C168 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C169 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C170 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C171 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C172 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C173 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C174 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C175 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C176 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C177 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |

**AUDIO**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C178 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C179 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C180 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C181 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C182 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C183 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C184 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C185 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C186 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C187 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C188 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C189 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C190 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C191 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C192 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C193 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C194 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C195 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C196 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C197 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C198 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C199 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C200 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C201 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C202 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C203 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C204 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C205 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C206 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C207 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C208 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C209 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C210 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C211 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C212 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C213 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C214 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C215 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C216 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C217 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C218 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C219 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C220 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C221 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C222 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C223 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C224 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C225 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C226 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C227 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C228 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C229 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C230 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C231 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C232 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C233 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C234 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C235 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C236 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C237 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C238 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C239 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C240 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C241 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C242 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C243 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C244 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C245 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C246 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C247 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C248 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C249 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C250 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C251 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C252 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C253 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C254 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C255 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C256 | 1-136-298-00 | FILM | 0.0033uF | 5% | 100V |
| C257 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C258 | 1-115-651-11 | ELECT | 100uF | 20% | 16V |
| C259 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C260 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C261 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C262 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C263 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C264 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C265 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C266 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C268 | 1-137-681-11 | FILM CHIP | 0.1uF | 20% | 16V (AEP, UK, RU) |
| C269 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C270 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C271 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C273 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C274 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C275 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C276 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C277 | 1-137-352-11 | FILM | 0.033uF | 5% | 100V |
| C278 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C279 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C280 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C281 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C282 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C283 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C284 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C285 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C286 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C287 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C288 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C289 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C290 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C291 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C292 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |
| C293 | 1-136-682-11 | FILM | 0.0039uF | 5% | 100V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C294 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C295 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C296 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C299 | 1-137-681-11 | FILM CHIP | 0.1uF | 20% | 16V |
| | | | | | (AEP, UK, RU) |
| C300 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C301 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C302 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C303 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C304 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C305 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C306 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C307 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C308 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C309 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C310 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C311 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C312 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C313 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C314 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C346 | 1-126-206-11 | ELECT CHIP | 100uF | 20% | 6.3V |
| | | < CONNECTOR > | | | |
| CN101 | 1-794-032-21 | PIN, CONNECTOR (PC BOARD) 11P | | | |
| CN102 | 1-794-509-11 | PIN, CONNECTOR (PC BOARD) 3P | | | |
| | | | | | (AEP, UK, RU) |
| CN106 | 1-784-382-21 | CONNECTOR, FFC/FPC 25P | | | |
| CN107 | 1-778-957-11 | CONNECTOR, FFC/FPC 29P | | | |
| CN109 | 1-784-365-21 | CONNECTOR, FFC/FPC 5P | | | |
| | | < DIODE > | | | |
| D101 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D102 | 8-719-029-66 | DIODE RD5.1UJN-T1 | | | |
| D103 | 8-719-029-66 | DIODE RD5.1UJN-T1 | | | |
| D104 | 8-719-029-66 | DIODE RD5.1UJN-T1 | | | |
| D105 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D106 | 6-500-219-01 | DIODE 1SS404 (TPH3) | | | |
| D107 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D108 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D109 | 6-500-219-01 | DIODE 1SS404 (TPH3) | | | |
| D110 | 8-719-029-66 | DIODE RD5.1UJN-T1 | | | |
| | | < FERRITE BEAD > | | | |
| FB102 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB103 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB104 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB105 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB106 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB107 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB108 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB110 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB111 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB112 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB113 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB114 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB115 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB116 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB117 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB118 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB119 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB120 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB121 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB122 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB123 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB124 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB125 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB126 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB127 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB128 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB129 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB130 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB131 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB132 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB133 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| FB134 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | | | |
| | | < RESISTOR > | | | |
| ⚠FR102 | 1-240-306-51 | FUSIBLE | 15 | 5% | 1/4W F |
| ⚠FR104 | 1-219-153-11 | FUSIBLE | 10 | 5% | 1/4W F |
| ⚠FR106 | 1-219-786-11 | FUSIBLE | 22 | 5% | 1/4W F |
| | | < IC > | | | |
| IC101 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC102 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC103 | 6-702-302-01 | IC TK11133CSCL-G | | | |
| IC104 | 6-708-057-01 | IC SN74LVC1404DCTRE6 | | | |
| IC105 | 8-759-680-48 | IC TC7WH157FK (TE85R) | | | |
| IC106 | 8-759-549-20 | IC SN74LV541APWR | | | |
| IC107 | 8-759-549-20 | IC SN74LV541APWR | | | |
| IC108 | 6-705-337-01 | IC TK11150CSCL-G | | | |
| IC109 | 8-759-549-20 | IC SN74LV541APWR | | | |
| IC110 | 8-759-549-20 | IC SN74LV541APWR | | | |
| IC111 | 6-707-503-01 | IC DSD1796DBR | | | |
| IC112 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC113 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC114 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC115 | 6-707-503-01 | IC DSD1796DBR | | | |
| IC116 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC117 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC118 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC119 | 6-707-503-01 | IC DSD1796DBR | | | |
| IC120 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC121 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC122 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC123 | 6-707-503-01 | IC DSD1796DBR | | | |
| IC124 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC125 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC126 | 8-759-566-39 | IC OPA2132UA/2K5 | | | |
| IC128 | 8-759-711-85 | IC NJM4580E-D (AEP, UK, RU) | | | |
| IC129 | 8-759-711-85 | IC NJM4580E-D | | | |
| | | < JACK > | | | |
| J101 | 1-785-489-11 | JACK, PIN 6P (5.1CH OUTPUT FRONT/REAR/CENTER/WOOFER) | | | |
| J102 | 1-784-430-11 | JACK, PIN 4P (AUDIO OUTPUT 1/2) | | | |

**AUDIO**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < FILTER/COIL > | | | |
| L101 | 1-424-122-11 | FILTER, NOISE | | | |
| L102 | 1-424-122-11 | FILTER, NOISE | | | |
| L345 | 1-412-056-11 | INDUCTOR | 4.7uH (AEP, UK, RU) | | |
| L346 | 1-412-056-11 | INDUCTOR | 4.7uH (AEP, UK, RU) | | |
| L347 | 1-412-056-11 | INDUCTOR | 4.7uH (AEP, UK, RU) | | |
| L348 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| L349 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| L350 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| L351 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| L352 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| L353 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| L354 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| L355 | 1-412-056-11 | INDUCTOR | 4.7uH | | |
| | | < TRANSISTOR > | | | |
| Q101 | 8-729-230-27 | TRANSISTOR | 2SA1213Y-TE12L | | |
| Q102 | 8-729-232-69 | FET | 2SK208-GR3 | | |
| Q103 | 8-729-202-05 | TRANSISTOR | 2SC2873-O | | |
| Q104 | 8-729-209-60 | TRANSISTOR | 2SB1375 | | |
| Q105 | 8-729-209-60 | TRANSISTOR | 2SB1375 | | |
| Q106 | 8-729-209-60 | TRANSISTOR | 2SB1375 | | |
| Q107 | 8-729-202-05 | TRANSISTOR | 2SC2873-O | | |
| Q108 | 8-729-018-60 | TRANSISTOR | 2SD2012-LC | | |
| Q109 | 8-729-202-05 | TRANSISTOR | 2SC2873-O | | |
| Q110 | 8-729-232-69 | FET | 2SK208-GR3 | | |
| Q111 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q112 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q113 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q114 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q115 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q116 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q117 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q118 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q119 | 8-729-924-04 | TRANSISTOR | DTA143TU | | |
| Q120 | 8-729-924-04 | TRANSISTOR | DTA143TU | | |
| Q121 | 8-729-018-60 | TRANSISTOR | 2SD2012-LC | | |
| Q122 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | (AEP, UK, RU) |
| Q123 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| Q124 | 8-729-232-69 | FET | 2SK208-GR3 | | |
| Q125 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | (AEP, UK, RU) |
| Q126 | 8-729-027-50 | TRANSISTOR | DTC123JKA-T146 | | |
| Q127 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| Q128 | 8-729-202-05 | TRANSISTOR | 2SC2873-O | | |
| Q129 | 8-729-230-27 | TRANSISTOR | 2SA1213Y-TE12L | | |
| Q130 | 8-729-232-69 | FET | 2SK208-GR3 | | |
| | | < RESISTOR > | | | |
| R102 | 1-216-182-00 | RES-CHIP | 220 | 5% | 1/8W |
| R103 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R104 | 1-216-789-11 | METAL CHIP | 2.2 | 5% | 1/10W |
| R106 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R107 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R108 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R109 | 1-216-182-00 | RES-CHIP | 220 | 5% | 1/8W |
| R110 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R111 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R112 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R113 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R114 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R115 | 1-218-698-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R116 | 1-218-685-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R117 | 1-216-178-00 | RES-CHIP | 150 | 5% | 1/8W |
| R118 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R119 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R120 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R121 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R122 | 1-216-178-00 | RES-CHIP | 150 | 5% | 1/8W |
| R123 | 1-218-685-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R124 | 1-218-698-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R125 | 1-216-182-00 | RES-CHIP | 220 | 5% | 1/8W |
| R126 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R127 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R128 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R129 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R130 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R131 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R132 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R133 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R134 | 1-216-651-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R135 | 1-218-776-11 | METAL CHIP | 1M | 0.5% | 1/10W |
| R136 | 1-216-810-11 | METAL CHIP | 120 | 5% | 1/10W |
| R137 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R138 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R139 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R140 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R141 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R142 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R143 | 1-216-810-11 | METAL CHIP | 120 | 5% | 1/10W |
| R144 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R145 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R147 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R148 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R149 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R150 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R151 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R152 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R153 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R154 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R155 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R156 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R157 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R158 | 1-216-178-00 | RES-CHIP | 150 | 5% | 1/8W |
| R159 | 1-216-178-00 | RES-CHIP | 150 | 5% | 1/8W |
| R160 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R161 | 1-216-182-00 | RES-CHIP | 220 | 5% | 1/8W |
| R162 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R163 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R164 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R165 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R166 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R168 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R169 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R170 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R171 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R172 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R173 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R174 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R175 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R176 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R177 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R178 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R179 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R181 | 1-218-674-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R182 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R183 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R185 | 1-216-811-11 | METAL CHIP | 150 | 5% | 1/10W |
| R186 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R187 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R188 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R189 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R190 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R191 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R192 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R193 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R194 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R195 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R196 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R197 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R198 | 1-218-716-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R199 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R200 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R201 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R202 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R203 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R204 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R205 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R206 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R207 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R208 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R209 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R210 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R211 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R212 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R213 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R214 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R215 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R216 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R217 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R218 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R219 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R220 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R221 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R222 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R223 | 1-218-716-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R224 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R225 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R226 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R227 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R228 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R229 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R230 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R231 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R232 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R233 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R234 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R235 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R236 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R237 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R238 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R239 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R240 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R241 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R242 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R243 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R244 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R246 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R247 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R248 | 1-218-716-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R249 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R250 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R251 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R253 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R254 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R255 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R256 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R257 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R258 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R259 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R260 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R261 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R262 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R263 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R264 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R265 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R266 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R267 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R268 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R269 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R271 | 1-216-603-11 | METAL CHIP | 10 | 0.5% | 1/10W (EXCEPT KR) |
| R271 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R272 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R273 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R274 | 1-216-603-11 | METAL CHIP | 10 | 0.5% | 1/10W (EXCEPT KR) |
| R274 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R275 | 1-218-716-11 | METAL CHIP | 10K | 0.5% | 1/10W |
| R276 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R277 | 1-216-603-11 | METAL CHIP | 10 | 0.5% | 1/10W (EXCEPT KR) |
| R277 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R278 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R279 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R281 | 1-216-603-11 | METAL CHIP | 10 | 0.5% | 1/10W (EXCEPT KR) |

**AUDIO** **BU**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R281 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R282 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R283 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R284 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R285 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W |
| R286 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R287 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R288 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R289 | 1-216-649-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R290 | 1-216-637-11 | METAL CHIP | 270 | 0.5% | 1/10W |
| R294 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R295 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R296 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R297 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R298 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R302 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R303 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R304 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R305 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W (AEP, UK, RU) |
| R306 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R307 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R308 | 1-216-639-11 | METAL CHIP | 330 | 0.5% | 1/10W (AEP, UK, RU) |
| R309 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R311 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R312 | 1-218-685-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R313 | 1-218-688-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R314 | 1-218-696-11 | METAL CHIP | 1.5K | 0.5% | 1/10W |
| R315 | 1-218-696-11 | METAL CHIP | 1.5K | 0.5% | 1/10W |
| R316 | 1-218-680-11 | METAL CHIP | 330 | 0.5% | 1/10W |
| R317 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R318 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R319 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R320 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R321 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R322 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R323 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R324 | 1-216-849-11 | METAL CHIP | 220K | 5% | 1/10W |
| R332 | 1-218-688-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R333 | 1-216-295-00 | SHORT CHIP | 0 (EXCEPT KR) | | |
| R333 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R334 | 1-216-295-00 | SHORT CHIP | 0 (EXCEPT KR) | | |
| R334 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R335 | 1-216-295-00 | SHORT CHIP | 0 (EXCEPT KR) | | |
| R335 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R336 | 1-216-295-00 | SHORT CHIP | 0 (EXCEPT KR) | | |
| R336 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R337 | 1-216-295-00 | SHORT CHIP | 0 (EXCEPT KR) | | |
| R337 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R338 | 1-216-295-00 | SHORT CHIP | 0 (EXCEPT KR) | | |
| R338 | 1-216-635-11 | METAL CHIP | 220 | 0.5% | 1/10W (KR) |
| R348 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R349 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R350 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R351 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R352 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R353 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R354 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R355 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R356 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R357 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R358 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R359 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R360 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R361 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R362 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R363 | 1-218-712-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| | | < COMPOSITION CIRCUIT BLOCK > | | | |
| RB303 | 1-239-409-11 | RES, CHIP NETWORK 47 (3216) | | | |
| RB304 | 1-239-409-11 | RES, CHIP NETWORK 47 (3216) | | | |
| RB305 | 1-239-409-11 | RES, CHIP NETWORK 47 (3216) | | | |
| | | < VIBRATOR > | | | |
| X322 | 1-767-406-21 | VIBRATOR, CRYSTAL (11.2896MHz) | | | |
| ********** | | | | | |
| | A-1088-545-A | BU BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C117 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C121 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C131 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C132 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C135 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C137 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C140 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C150 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C151 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C152 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C153 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C154 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C155 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C156 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C158 | 1-124-778-00 | ELECT CHIP | 22uF | 20% | 6.3V |
| C160 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C170 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C172 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| | | < CONNECTOR > | | | |
| CN001 | 1-815-031-61 | CONNECTOR, FFC/FPC (ZIF) 24P | | | |
| CN002 | 1-784-861-21 | CONNECTOR, FFC (LIF (NON-ZIF)) 9P | | | |
| CN003 | 1-784-879-21 | CONNECTOR, FFC (LIF (NON-ZIF)) 31P | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < DIODE > | | | |
| D504 | 8-719-071-15 | DIODE HZM6.8ZWA1TL | | | |
| | | < COIL > | | | |
| L102 | 1-410-389-31 | INDUCTOR | 47uH | | |
| L103 | 1-410-389-31 | INDUCTOR | 47uH | | |
| | | < TRANSISTOR > | | | |
| Q101 | 8-729-903-46 | TRANSISTOR | 2SB1132-P | | |
| Q102 | 6-550-545-01 | TRANSISTOR | 2SC4617FTLQ | | |
| Q103 | 8-729-903-46 | TRANSISTOR | 2SB1132-P | | |
| Q104 | 6-550-545-01 | TRANSISTOR | 2SC4617FTLQ | | |
| | | < RESISTOR > | | | |
| R120 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R123 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R136 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R137 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R140 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R151 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R156 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R160 | 1-216-814-11 | METAL CHIP | 270 | 5% | 1/10W |
| R161 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R163 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R195 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R196 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R197 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R198 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R199 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| ********** | | | | | |
| | A-1088-390-A | DISPLAY BOARD, COMPLETE | | | |
| | | ********** | | | |
| | 2-389-320-01 | CUSHION | | | |
| * | 4-996-686-04 | HOLDER (FL) | | | |
| | | < CAPACITOR > | | | |
| C800 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C801 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C810 | 1-162-922-11 | CERAMIC CHIP | 39PF | 5% | 50V |
| C811 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C812 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C813 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C814 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C815 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C816 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C819 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C820 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C821 | 1-165-629-11 | CERAMIC CHIP | 1uF | 10% | 50V |
| C822 | 1-137-150-11 | FILM | 0.01uF | 5% | 100V |
| C823 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C824 | 1-128-405-11 | ELECT CHIP | 22uF | 20% | 50V |
| C825 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C826 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% | 50V |
| C827 | 1-128-405-11 | ELECT CHIP | 22uF | 20% | 50V |
| C830 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C832 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C833 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C871 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C872 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C873 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C874 | 1-107-823-11 | CERAMIC CHIP | 0.47uF | 10% | 16V |
| C875 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| | | < CONNECTOR > | | | |
| CN830 | 1-580-789-91 | PIN, CONNECTOR 6P | | | |
| * CN831 | 1-793-141-21 | PIN, CONNECTOR (PC BOARD) 15P | | | |
| CN832 | 1-691-591-91 | PIN, CONNECTOR 8P | | | |
| | | < DIODE > | | | |
| D820 | 8-719-070-32 | DIODE PTZ-TE25-9.1B | | | |
| D821 | 8-719-041-97 | DIODE MA113- (TX) | | | |
| D822 | 8-719-041-97 | DIODE MA113- (TX) | | | |
| D823 | 8-719-041-97 | DIODE MA113- (TX) | | | |
| D824 | 8-719-041-97 | DIODE MA113- (TX) | | | |
| | | < FLUORESCENT INDICATOR > | | | |
| FL801 | 1-519-786-11 | INDICATOR TUBE, FLUORESCENT | | | |
| | | < IC > | | | |
| IC800 | 6-600-349-31 | IC NJL24H400A | | | |
| IC801 | 6-706-404-01 | IC ML9208-04MBZ03B | | | |
| IC871 | 6-707-208-01 | IC TK11100CSCB-G | | | |
| | | < COIL > | | | |
| L820 | 1-412-537-31 | INDUCTOR | 100uH | | |
| | | < TRANSISTOR > | | | |
| Q709 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q710 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q711 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | | |
| Q820 | 8-729-808-42 | TRANSISTOR | 2SD1624-T | | |
| Q821 | 8-729-808-42 | TRANSISTOR | 2SD1624-T | | |
| Q871 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| | | < RESISTOR > | | | |
| R800 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R801 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R804 | 1-216-296-11 | SHORT CHIP | 0 | | |
| R805 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R806 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R807 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R808 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R809 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R810 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R811 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% | 1/10W |
| R812 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R813 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R814 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R815 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R816 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R817 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R819 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R822 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |

**DISPLAY** **JOG** **KEY-A** **KEY-B**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R825 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% | 1/10W |
| R871 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R872 | 1-218-911-11 | METAL CHIP | 470K | 0.5% | 1/10W |
| R873 | 1-218-891-11 | METAL CHIP | 68K | 0.5% | 1/10W |
| R874 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R875 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| | | < TRANSFORMER > | | | |
| T700 | 1-443-563-01 | TRANSFORMER, DC-DC CONVERTER | | | |
| ********** | | | | | |
| | | JOG BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| CN851 | 1-580-057-91 | PIN, CONNECTOR 4P | | | |
| | | < LEAD > | | | |
| LP805 | 1-775-377-51 | LEAD (WITH CONNECTOR) | | | |
| | | < JUMPER RESISTOR > | | | |
| R855 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R856 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R857 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R858 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < ROTARY ENCODER > | | | |
| RE851 | 1-475-543-11 | ENCODER, ROTARY (⏮ ⏭, PUSH ENTER) | | | |
| ********** | | | | | |
| | | KEY-A BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| CN840 | 1-784-871-21 | CONNECTOR, FFC (LIF (NON-ZIF)) 19P | | | |
| * CN841 | 1-793-141-21 | PIN, CONNECTOR (PC BOARD) 15P | | | |
| CN842 | 1-580-057-91 | PIN, CONNECTOR 4P | | | |
| | | < LED > | | | |
| D847 | 8-719-046-39 | LED SEL5821A-TP15 (⏸) | | | |
| D848 | 8-719-046-41 | LED SEL5521C-TP15 (▶) | | | |
| | | < TRANSISTOR > | | | |
| Q840 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q841 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| | | < RESISTOR > | | | |
| R840 | 1-218-843-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R841 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R842 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R843 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R844 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R846 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R847 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R848 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R849 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R850 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R851 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R852 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | < SWITCH > | | | |
| S840 | 1-762-875-21 | SWITCH, KEYBOARD (■) | | | |
| S841 | 1-762-875-21 | SWITCH, KEYBOARD (⏏) | | | |
| S842 | 1-762-875-21 | SWITCH, KEYBOARD (⏸) | | | |
| S843 | 1-762-875-21 | SWITCH, KEYBOARD (▶) | | | |
| ********** | | | | | |
| | | KEY-B BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C831 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C861 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| | | < CONNECTOR > | | | |
| CN861 | 1-691-591-91 | PIN, CONNECTOR 8P | | | |
| | | < DIODE > | | | |
| D860 | 8-719-071-15 | DIODE HZM6.8ZWA1TL | | | |
| D861 | 8-719-072-76 | LED SEL5E23C-TP15 (i.LINK) | | | |
| D862 | 8-719-046-39 | LED SEL5821A-TP15 (VIDEO OFF) | | | |
| D863 | 8-719-046-39 | LED SEL5821A-TP15 (DIMMER) | | | |
| | | < FERRITE BEAD > | | | |
| FB861 | 1-500-245-11 | INDUCTOR, FERRITE BEAD | | | |
| | | < TRANSISTOR > | | | |
| Q861 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q863 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| Q865 | 8-729-027-43 | TRANSISTOR | DTC114EKA-T146 | | |
| | | < RESISTOR > | | | |
| R860 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R861 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R862 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R863 | 1-216-825-11 | METAL CHIP | 2.2K | 5% | 1/10W |
| R864 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R865 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R866 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R867 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R868 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R869 | 1-216-817-11 | METAL CHIP | 470 | 5% | 1/10W |
| R870 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R886 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R887 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R888 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| | | < SWITCH > | | | |
| S860 | 1-762-875-21 | SWITCH, KEYBOARD (I/⏻) | | | |
| S861 | 1-762-875-21 | SWITCH, KEYBOARD (MULTI/2CH) | | | |
| S862 | 1-762-875-21 | SWITCH, KEYBOARD (SA-CD/CD) | | | |
| S863 | 1-762-875-21 | SWITCH, KEYBOARD (VIDEO OFF) | | | |
| S864 | 1-762-875-21 | SWITCH, KEYBOARD (DIMMER) | | | |
| S865 | 1-762-875-21 | SWITCH, KEYBOARD (i.LINK) | | | |
| ********** | | | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | 1-645-721-11 | LOADING BOARD | | | |
| | | ********** | | | |
| | | < CONNECTOR > | | | |
| * CN151 | 1-568-943-11 | PIN, CONNECTOR 5P | | | |
| | | < SWITCH > | | | |
| S151 | 1-572-086-11 | SWITCH, LEAF (LOADING OUT) | | | |
| S152 | 1-572-086-11 | SWITCH, LEAF (LOADING IN) | | | |
| ********** | | | | | |
| | | MAIN BOARD | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C102 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C103 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C104 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C105 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C106 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C107 | 1-135-347-21 | ELECT CHIP | 82uF | 20% | 16V |
| C108 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C109 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C110 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C111 | 1-128-536-11 | ELECT CHIP | 100uF | 20% | 25V |
| C112 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C113 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C114 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C115 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C116 | 1-165-872-21 | ELCT CHIP | 47uF | 20% | 6.3V |
| C117 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C118 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C119 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C120 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C121 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C122 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C123 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C124 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C125 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C126 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C127 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C128 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C129 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C130 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C131 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C132 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C133 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C134 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C135 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C136 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C137 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C138 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C139 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C140 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C141 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C142 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C143 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C144 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C145 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C146 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C147 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C148 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C150 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C151 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C153 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C154 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C155 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C156 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C158 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C159 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C160 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C161 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C162 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C164 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C165 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C166 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C167 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C170 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C172 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C173 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C174 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C175 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C176 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C178 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C179 | 1-162-918-11 | CERAMIC CHIP | 18PF | 5% | 50V |
| C180 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C181 | 1-162-912-11 | CERAMIC CHIP | 7PF | 0.5PF | 50V |
| C182 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C183 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C184 | 1-162-924-11 | CERAMIC CHIP | 56PF | 5% | 50V |
| C185 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C186 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C187 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C188 | 1-162-965-11 | CERAMIC CHIP | 0.0015uF | 10% | 50V |
| C189 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C190 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C191 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C192 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C193 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C194 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C195 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C196 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C197 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C198 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C199 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C200 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C202 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C204 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C207 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C208 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C209 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C210 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C211 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C212 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C214 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C215 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C217 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C218 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C219 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C227 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C232 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C233 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C250 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C252 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C254 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C255 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C256 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C257 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C258 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C259 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C260 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C261 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C262 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C263 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C264 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C266 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C267 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C268 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C269 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C270 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C271 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C272 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C273 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C274 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C276 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C277 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C278 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C279 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C280 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C281 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C282 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C284 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C285 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C286 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C287 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C288 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C289 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C290 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C291 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C292 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C293 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C294 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C295 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C296 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C297 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C298 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C299 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C300 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C301 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C302 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C303 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C304 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C305 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C306 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C307 | 1-131-661-21 | ELECT CHIP | 100uF | 20% | 10V |
| C308 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C309 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C310 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C311 | 1-128-536-11 | ELECT CHIP | 100uF | 20% | 25V |
| C313 | 1-126-391-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C314 | 1-100-635-21 | ELECT CHIP | 82uF | 20% | 4V |
| C315 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C316 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C317 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C318 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C319 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C320 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C321 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C322 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C323 | 1-126-412-11 | ELECT CHIP | 220uF | 20% | 4V |
| C324 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C326 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C327 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C328 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C329 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C330 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C331 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C332 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C333 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C334 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C335 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C336 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C337 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C338 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C339 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C340 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C341 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C342 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C343 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C344 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C345 | 1-131-661-21 | ELECT CHIP | 100uF | 20% | 10V |
| C346 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C347 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C348 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C349 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C350 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C352 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C353 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C354 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C355 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C356 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C357 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C358 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C359 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C360 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C361 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C362 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C363 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C364 | 1-162-919-11 | CERAMIC CHIP | 22PF | 5% | 50V |
| C400 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C401 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C402 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C403 | 1-115-467-11 | CERAMIC CHIP | 0.22uF | 10% | 10V |
| C405 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C406 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C407 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C408 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C409 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C410 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C411 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C412 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C413 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C415 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C416 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C417 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C419 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C420 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C421 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C423 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C424 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C425 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C427 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C428 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C429 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C430 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C431 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C432 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C433 | 1-126-391-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C434 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C435 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C436 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C437 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C438 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C439 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C441 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C442 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C443 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C444 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C486 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C492 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C493 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C494 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C495 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C496 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C497 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C498 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C499 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C500 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C501 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C502 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C503 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C505 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C506 | 1-162-966-11 | CERAMIC CHIP | 0.0022uF | 10% | 50V |
| C507 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C508 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C512 | 1-100-635-21 | ELECT CHIP | 82uF | 20% | 4V |
| C513 | 1-100-635-21 | ELECT CHIP | 82uF | 20% | 4V |
| C514 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C515 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C516 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C517 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C518 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C519 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C520 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C521 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C522 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C523 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C524 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C525 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C526 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C527 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C528 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C529 | 1-100-635-21 | ELECT CHIP | 82uF | 20% | 4V |
| C530 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C531 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C532 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C533 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C534 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C535 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C536 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C537 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C539 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C540 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C541 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C542 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C543 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C544 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C545 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C546 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C547 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C548 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C549 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C551 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C552 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C553 | 1-100-635-21 | ELECT CHIP | 82uF | 20% | 4V |
| C554 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C555 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C556 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C558 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C559 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C560 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C561 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C562 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C563 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C564 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C565 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C566 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C567 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C568 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C569 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C570 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C571 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C572 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C573 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C574 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C575 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C576 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C577 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C578 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C579 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C580 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C581 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C582 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C583 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C584 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C585 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C586 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C588 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C589 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C590 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C593 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C594 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C595 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C596 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C597 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C598 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C599 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C600 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C602 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C603 | 1-127-710-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C604 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C605 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C606 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C607 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C608 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C609 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C610 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C611 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C612 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C613 | 1-128-934-11 | CERAMIC CHIP | 0.33uF | 20% | 10V |
| C614 | 1-164-677-11 | CERAMIC CHIP | 0.033uF | 10% | 16V |
| C615 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C616 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C617 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C618 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C619 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C620 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C621 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C622 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C623 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C624 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C625 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C626 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C627 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C628 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C629 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C630 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C631 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C632 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C633 | 1-131-661-21 | ELECT CHIP | 100uF | 20% | 10V |
| C634 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C635 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C636 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C637 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C638 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C639 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C640 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C641 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C642 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C643 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C644 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C645 | 1-131-661-21 | ELECT CHIP | 100uF | 20% | 10V |
| C646 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C647 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C648 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C649 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C650 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C651 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C652 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C653 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C654 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C655 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C656 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C657 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C658 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C659 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C660 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C663 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C664 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C665 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C666 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C667 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C668 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C669 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C670 | 1-164-173-11 | CERAMIC CHIP | 0.0039uF | 10% | 50V |
| C671 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C672 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C673 | 1-115-414-11 | CERAMIC CHIP | 820PF | 5% | 25V |
| C674 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C675 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C676 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C677 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C678 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C679 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C680 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C681 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C682 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C683 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C684 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C685 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C686 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C687 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C688 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C689 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C690 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C691 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C692 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C693 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C694 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C695 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C697 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C698 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C699 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C700 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C701 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C702 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C703 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C704 | 1-165-884-11 | CERAMIC CHIP | 2.2uF | 10% | 6.3V |
| C705 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C706 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C707 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C708 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C709 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C710 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C711 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C712 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C713 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C714 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C715 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C717 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C718 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C719 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C720 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C721 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C722 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C723 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C724 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C725 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C726 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C727 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C728 | 1-165-884-11 | CERAMIC CHIP | 2.2uF | 10% | 6.3V |
| C729 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C730 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C731 | 1-100-635-21 | ELECT CHIP | 82uF | 20% | 4V |
| C732 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C733 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C734 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C735 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C736 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C737 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C738 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C739 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C740 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C741 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C742 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C743 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C744 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C745 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C746 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C747 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C748 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C749 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C750 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C751 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C752 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C753 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C754 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C755 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C756 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C757 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C758 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C759 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C760 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C761 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C762 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C763 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C764 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C765 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C766 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C767 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C768 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C769 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C770 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C771 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C772 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C773 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C774 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C775 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C776 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C777 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C778 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C779 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C780 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C781 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C782 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C783 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C784 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C785 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C786 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C787 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C788 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C789 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C790 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C794 | 1-126-391-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C795 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C796 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C797 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C798 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C799 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C800 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C801 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C802 | 1-165-908-11 | CERAMIC CHIP | 1uF | 10% | 10V |
| C803 | 1-100-507-91 | CERAMIC CHIP | 4.7uF | 20% | 6.3V |
| C804 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C806 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C807 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C808 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C809 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C810 | 1-162-913-11 | CERAMIC CHIP | 8PF | 0.5PF | 50V |
| C811 | 1-164-388-11 | CERAMIC CHIP | 270PF | 5% | 50V |
| C812 | 1-164-388-11 | CERAMIC CHIP | 270PF | 5% | 50V |
| C813 | 1-127-694-11 | ELECT | 47uF | 20% | 25V |
| C814 | 1-162-913-11 | CERAMIC CHIP | 8PF | 0.5PF | 50V |
| C815 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C816 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C817 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C818 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C819 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C820 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C821 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C822 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C823 | 1-126-391-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C824 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C825 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C826 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C827 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C828 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C829 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C830 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C831 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C832 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C833 | 1-100-507-91 | CERAMIC CHIP | 4.7uF | 20% | 6.3V |
| C834 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C835 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C836 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C837 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C838 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C839 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C840 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C841 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C842 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C843 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C844 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C845 | 1-126-391-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C846 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C847 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C848 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C849 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C852 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C853 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C854 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C855 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C856 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C857 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C858 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C860 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C861 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C862 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C863 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C864 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C865 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C868 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C869 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C870 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C873 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C875 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C876 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C877 | 1-165-989-11 | CERAMIC CHIP | 10uF | 10% | 6.3V |
| C883 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C884 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C885 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C886 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C887 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C888 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C889 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C890 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C891 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C892 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C893 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C894 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C895 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C896 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C897 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C898 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C899 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C907 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C909 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C910 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C911 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C912 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C913 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C914 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C915 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C916 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C917 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C918 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C919 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C920 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C921 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C922 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C933 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C943 | 1-165-872-21 | ELECT CHIP | 47uF | 20% | 6.3V |
| C950 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C951 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C953 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C963 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C967 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C970 | 1-100-507-91 | CERAMIC CHIP | 4.7uF | 20% | 6.3V |
| C971 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C972 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C973 | 1-100-159-11 | CERAMIC CHIP | 22uF | 10% | 6.3V |
| C974 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C975 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C976 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C977 | 1-100-507-91 | CERAMIC CHIP | 4.7uF | 20% | 6.3V |
| C978 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C979 | 1-164-185-11 | CERAMIC CHIP | 13PF | 5% | 50V |
| C980 | 1-164-185-11 | CERAMIC CHIP | 13PF | 5% | 50V |
| C981 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C982 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C983 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C984 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C985 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C986 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C987 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C988 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C989 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C990 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C991 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C992 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C993 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C994 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% | 50V |
| C995 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C996 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C997 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C998 | 1-100-635-21 | ELECT CHIP | 82uF | 20% | 4V |
| C999 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| | | < CONNECTOR > | | | |
| * CN101 | 1-573-768-21 | PIN, CONNECTOR (1.5mm) (SMD) 5P | | | |
| CN102 | 1-784-387-11 | CONNECTOR, FFC/FPC 31P | | | |
| * CN104 | 1-573-768-21 | PIN, CONNECTOR (1.5mm) (SMD) 5P | | | |
| CN252 | 1-816-587-21 | PIN, CONNECTOR (PC BOARD) 15P | | | |
| CN253 | 1-764-177-11 | PIN, CONNECTOR (SMD) (1.5mm) 7P | | | |
| * CN400 | 1-766-376-11 | PIN, CONNECTOR (1.5mm) (SMD) 9P | | | |
| CN402 | 1-778-691-11 | CONNECTOR, FFC/FPC 19P | | | |
| CN551 | 1-778-957-11 | CONNECTOR, FFC/FPC 29P | | | |
| CN552 | 1-784-382-21 | CONNECTOR, FFC/FPC 25P | | | |
| CN600 | 1-784-374-21 | CONNECTOR, FFC/FPC 15P | | | |
| CN601 | 1-784-368-11 | CONNECTOR, FFC/FPC 9P | | | |
| CN801 | 1-573-290-21 | PIN, CONNECTOR (1.5mm) (SMD) 4P | | | |
| | | < DIODE > | | | |
| D400 | 6-500-219-01 | DIODE 1SS404 (TPH3) | | | |
| D401 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D600 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D601 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D602 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D603 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D604 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D605 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D606 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D607 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D610 | 6-500-701-01 | DIODE PGB1010603NR | | | |
| D800 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D801 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D802 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D803 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D833 | 6-500-219-01 | DIODE 1SS404 (TPH3) | | | |
| D933 | 6-500-219-01 | DIODE 1SS404 (TPH3) | | | |
| D943 | 6-500-219-01 | DIODE 1SS404 (TPH3) | | | |
| D953 | 6-500-219-01 | DIODE 1SS404 (TPH3) | | | |
| | | < JUMPER RESISTOR/FERRITE BEAD > | | | |
| FB262 | 1-216-864-11 | SHORT CHIP 0 | | | |
| FB307 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB311 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB312 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB313 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB317 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB323 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB333 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB343 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB345 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB346 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB353 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |
| FB363 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | | | |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| FB373 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB403 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB409 | 1-216-864-11 | SHORT CHIP 0 | |
| FB410 | 1-216-864-11 | SHORT CHIP 0 | |
| FB411 | 1-216-864-11 | SHORT CHIP 0 | |
| FB413 | 1-216-864-11 | SHORT CHIP 0 | |
| FB415 | 1-216-864-11 | SHORT CHIP 0 | |
| FB423 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB433 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB443 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB503 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB511 | 1-500-283-11 | INDUCTOR, FERRITE BEAD | |
| FB513 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB523 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB551 | 1-216-864-11 | SHORT CHIP 0 | |
| FB553 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB554 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB563 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB593 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB614 | 1-216-864-11 | SHORT CHIP 0 | |
| FB621 | 1-216-864-11 | SHORT CHIP 0 | |
| FB633 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB645 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB646 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB650 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB708 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB743 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB745 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB753 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB763 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB773 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB833 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB845 | 1-469-324-21 | FERRITE, EMI (SMD) (2012) | |
| FB910 | 1-216-864-11 | SHORT CHIP 0 | |
| FB917 | 1-216-864-11 | SHORT CHIP 0 | |
| FB930 | 1-216-864-11 | SHORT CHIP 0 | |
| FB931 | 1-216-864-11 | SHORT CHIP 0 | |
| FB950 | 1-216-864-11 | SHORT CHIP 0 | |
| FB951 | 1-216-864-11 | SHORT CHIP 0 | |
| FB952 | 1-216-864-11 | SHORT CHIP 0 | |
| FB954 | 1-216-864-11 | SHORT CHIP 0 | |
| FB955 | 1-216-864-11 | SHORT CHIP 0 | |
| FB970 | 1-216-864-11 | SHORT CHIP 0 | |
| FB972 | 1-216-864-11 | SHORT CHIP 0 | |
| FB980 | 1-216-864-11 | SHORT CHIP 0 | |
| FB981 | 1-216-864-11 | SHORT CHIP 0 | |
| | | < FILTER > | |
| FL253 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL303 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL307 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL311 | 1-233-893-21 | FILTER, CHIP EMI | |
| FL313 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL318 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL323 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL333 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL343 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL345 | 1-234-177-21 | FILTER, CHIP EMI | |

## MAIN

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| FL518 | 1-234-177-21 | FILTER, CHIP EMI | |
| FL533 | 1-234-177-21 | FILTER, CHIP EMI | |
| | | < IC/FET > | |
| * IC102 | 6-704-542-01 | IC LMV324MTX/NOPB | |
| IC103 | 6-702-157-01 | IC FAN8035L | |
| IC105 | 6-708-022-01 | IC STE6317ATXXY | |
| IC107 | 8-759-460-76 | IC BA07FP-E2 | |
| IC118 | 6-707-119-01 | IC TK11218CMCL-G | |
| IC133 | 8-759-583-47 | IC uPC2933T-E2 | |
| IC150 | 6-705-338-01 | IC TK11250CMCL-G | |
| IC218 | 6-702-300-01 | IC TK11118CSCL-G | |
| IC233 | 6-704-470-01 | IC TK11233CMCL-G | |
| IC253 | (Not supplied) | IC M29W320ET70N6E-NS9UA (US, CND, KR) | |
| IC253 | (Not supplied) | IC M29W320ET70N6E-NS9EA (AEP, UK, RU) | |
| IC253 | (Not supplied) | IC M29W320ET70N6E-NS9CA (CH) | |
| IC254 | 6-708-493-01 | IC HY57V281620ETP-HDR | |
| IC255 | 6-805-368-01 | IC M29W320ET70N6E | |
| IC256 | 6-708-023-01 | IC STE5588CVB | |
| IC257 | 8-759-596-35 | IC SN74LV594APWR | |
| IC258 | 8-759-548-97 | IC SN74LV04APWR | |
| IC308 | 6-702-300-01 | IC TK11118CSCL-G | |
| IC318 | 6-700-398-01 | IC uPC2918T-E1 | |
| IC401 | 8-759-196-96 | IC TC7SH08FU-TE85R | |
| IC402 | 8-759-564-49 | IC TC7W53FU (TE12R) | |
| IC403 | 8-759-196-96 | IC TC7SH08FU-TE85R | |
| IC404 | 6-805-411-01 | IC uPD70F3259YGF-40A-JBT-A | |
| IC405 | 8-759-350-42 | IC PST9127NL | |
| IC406 | 6-708-544-01 | IC PST9228NL | |
| IC407 | 6-708-544-01 | IC PST9228NL | |
| IC441 | 8-759-196-96 | IC TC7SH08FU-TE85R | |
| IC502 | 6-708-020-01 | IC SAA7893HL | |
| IC503 | 6-708-494-01 | IC HY57V641620ETP-HDR | |
| IC504 | 8-759-549-20 | IC SN74LV541APWR | |
| IC508 | 6-702-300-01 | IC TK11118CSCL-G | |
| IC518 | 6-702-300-01 | IC TK11118CSCL-G | |
| IC552 | 6-705-008-11 | IC CXD9722ATQ | |
| IC553 | 8-759-196-96 | IC TC7SH08FU-TE85R | |
| IC554 | 8-759-549-20 | IC SN74LV541APWR | |
| IC555 | 6-705-992-11 | IC HY57V161610ETP-7DR | |
| IC556 | 8-759-549-20 | IC SN74LV541APWR | |
| IC558 | 8-759-196-96 | IC TC7SH08FU-TE85R | |
| IC603 | 6-708-021-01 | IC CXD9866R | |
| IC605 | 6-708-495-01 | IC HY57V643220DTP-6DR | |
| IC606 | 6-708-056-01 | IC ADV7324KSTZ | |
| IC607 | (Not supplied) | IC SII9030CTU-1.1 | |
| IC608 | 6-550-014-01 | FET SSM6N15FU (TE85R) | |
| IC612 | 6-703-046-01 | IC SN74LVC1G08DCKR | |
| IC618 | 6-707-119-01 | IC TK11218CMCL-G | |
| IC623 | 6-702-302-01 | IC TK11133CSCL-G | |
| IC625 | 6-704-261-01 | IC TK11225CMCL-G | |
| IC628 | 6-702-300-01 | IC TK11118CSCL-G | |
| IC633 | 8-759-583-47 | IC uPC2933T-E2 | |
| IC643 | 6-702-302-01 | IC TK11133CSCL-G | |
| IC650 | 6-705-337-01 | IC TK11150CSCL-G | |
| IC718 | 6-702-300-01 | IC TK11118CSCL-G | |
| IC723 | 6-702-302-01 | IC TK11133CSCL-G | |
| IC725 | 6-702-301-01 | IC TK11125CSCL-G | |
| IC733 | 6-702-302-01 | IC TK11133CSCL-G | |
| IC801 | (Not supplied) | IC S29AL008D70TFI01-NS9UB | |
| IC802 | 6-708-057-01 | IC SN74LVC1404DCTRE6 | |
| IC803 | 6-704-470-01 | IC TK11233CMCL-G | |
| IC804 | 6-805-695-01 | IC HD6432365A19FV-TAA70 | |
| IC805 | 6-706-766-01 | IC TSB43CA42PGF | |
| IC807 | 6-708-058-01 | IC LC4128V-75TN100C-SIA01 | |
| IC813 | 6-704-470-01 | IC TK11233CMCL-G | |
| IC833 | 6-704-470-01 | IC TK11233CMCL-G | |
| IC911 | 6-701-877-01 | IC SM8707EV-G-E2 | |
| IC912 | 6-703-526-01 | IC SN74LVC2G74DCUR | |
| IC913 | 6-703-527-01 | IC SN74LVC2G157DCUR | |
| IC914 | 6-708-071-01 | IC FS7140-01G | |
| IC915 | 6-703-526-01 | IC SN74LVC2G74DCUR | |
| IC916 | 6-703-526-01 | IC SN74LVC2G74DCUR | |
| IC917 | 6-708-701-01 | IC SN74LVC3GU04DCUR | |
| IC921 | 8-759-549-20 | IC SN74LV541APWR | |
| IC933 | 6-703-953-01 | IC TK11134CSCL-G | |
| | | < CONNECTOR > | |
| J600 | 1-818-086-41 | HDMI CONNECTOR (HDMI OUT) | |
| J800 | 1-793-078-11 | CONNECTOR, SQUARE TYPE 4P (I.LINK S200 OUT (AUDIO) 2) | |
| J801 | 1-793-078-11 | CONNECTOR, SQUARE TYPE 4P (I.LINK S200 OUT (AUDIO) 1) | |
| | | < COIL > | |
| L104 | 1-414-394-41 | INDUCTOR 2.2uH | |
| L150 | 1-414-398-11 | INDUCTOR 10uH | |
| L318 | 1-414-392-41 | INDUCTOR 1uH | |
| L533 | 1-414-394-41 | INDUCTOR 2.2uH | |
| L800 | 1-456-799-11 | COIL, COMMON MODE CHOKE | |
| L801 | 1-456-799-11 | COIL, COMMON MODE CHOKE | |
| L802 | 1-456-799-11 | COIL, COMMON MODE CHOKE | |
| L803 | 1-456-799-11 | COIL, COMMON MODE CHOKE | |
| L933 | 1-414-398-11 | INDUCTOR 10uH | |
| L943 | 1-414-398-11 | INDUCTOR 10uH | |
| L950 | 1-414-398-11 | INDUCTOR 10uH | |
| L953 | 1-414-398-11 | INDUCTOR 10uH | |
| | | < TRANSISTOR > | |
| Q105 | 8-729-034-50 | TRANSISTOR KTA1504 | |
| Q400 | 8-729-024-91 | TRANSISTOR 2SC2712-GL-TE85L | |
| Q401 | 8-729-024-91 | TRANSISTOR 2SC2712-GL-TE85L | |
| Q402 | 8-729-024-91 | TRANSISTOR 2SC2712-GL-TE85L | |
| Q574 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | |
| Q575 | 8-729-027-59 | TRANSISTOR DTC144EKA-T146 | |
| | | < RESISTOR > | |
| R101 | 1-216-864-11 | SHORT CHIP 0 | |
| R102 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R103 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R104 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R105 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R106 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |
| R107 | 1-216-809-11 | METAL CHIP 100 5% 1/10W | |

New part of flash memory (IC253, IC801) on the MAIN board cannot be used. Therefore, if the mounted MAIN board is replaced, exchange new flash memory with that used before the replacement.

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R108 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R109 | 1-216-789-11 | METAL CHIP | 2.2 | 5% | 1/10W |
| R110 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R111 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R112 | 1-219-724-11 | METAL CHIP | 1 | 1% | 1/4W |
| R113 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R114 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R115 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R116 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R117 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R118 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R119 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R120 | 1-216-789-11 | METAL CHIP | 2.2 | 5% | 1/10W |
| R121 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R122 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R124 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R125 | 1-218-840-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R126 | 1-218-840-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R127 | 1-218-840-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R128 | 1-218-840-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R129 | 1-218-840-11 | METAL CHIP | 510 | 0.5% | 1/10W |
| R130 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R131 | 1-219-724-11 | METAL CHIP | 1 | 1% | 1/4W |
| R132 | 1-219-724-11 | METAL CHIP | 1 | 1% | 1/4W |
| R133 | 1-219-724-11 | METAL CHIP | 1 | 1% | 1/4W |
| R135 | 1-218-878-11 | METAL CHIP | 20K | 0.5% | 1/10W |
| R138 | 1-218-882-11 | METAL CHIP | 30K | 0.5% | 1/10W |
| R139 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R140 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R141 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R142 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R143 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R144 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R145 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R146 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R147 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R148 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R149 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R150 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R151 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R152 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R153 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R154 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R155 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R156 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R157 | 1-218-881-11 | METAL CHIP | 27K | 0.5% | 1/10W |
| R158 | 1-218-880-11 | METAL CHIP | 24K | 0.5% | 1/10W |
| R159 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R162 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R164 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R165 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R166 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R167 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R168 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R169 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R170 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R171 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R172 | 1-218-875-11 | METAL CHIP | 15K | 0.5% | 1/10W |
| R173 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/10W |
| R174 | 1-218-889-11 | METAL CHIP | 56K | 0.5% | 1/10W |
| R175 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R176 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R177 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R178 | 1-218-883-11 | METAL CHIP | 33K | 0.5% | 1/10W |
| R179 | 1-218-883-11 | METAL CHIP | 33K | 0.5% | 1/10W |
| R180 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R181 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R182 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R183 | 1-216-789-11 | METAL CHIP | 2.2 | 5% | 1/10W |
| R184 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R185 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R186 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R187 | 1-218-873-11 | METAL CHIP | 12K | 0.5% | 1/10W |
| R188 | 1-218-843-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R189 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R191 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R192 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R193 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R194 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R195 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R196 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R198 | 1-219-570-11 | METAL CHIP | 10M | 5% | 1/10W |
| R199 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R203 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R204 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R205 | 1-218-867-11 | METAL CHIP | 6.8K | 0.5% | 1/10W |
| R206 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R207 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R208 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R209 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R254 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R256 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R257 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R258 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R259 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R260 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R261 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R262 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R263 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R264 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R265 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R266 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R267 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R268 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R269 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R270 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R271 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R272 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R273 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R274 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R275 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R276 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R277 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R278 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R279 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R280 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R281 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R282 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R284 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R285 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R286 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R287 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R288 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R289 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R290 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R293 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R294 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R295 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R296 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R298 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R299 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R300 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R302 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R303 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R304 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R305 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R306 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R307 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R309 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R310 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R312 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R314 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R315 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R316 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R317 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R318 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R319 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R320 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R321 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R322 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R323 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R324 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R325 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R326 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R327 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R328 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R329 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R330 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R331 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R332 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R333 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R334 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R335 | 1-211-990-11 | METAL CHIP | 75 | 0.5% | 1/10W |
| R336 | 1-211-990-11 | METAL CHIP | 75 | 0.5% | 1/10W |
| R337 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R338 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R339 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R340 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R341 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R342 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R343 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R344 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R345 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R346 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R347 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R348 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R349 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R350 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R351 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R353 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R354 | 1-218-857-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| R356 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R357 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R358 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R361 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R362 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R363 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R364 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R365 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R367 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R371 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R372 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R373 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R374 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R376 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R377 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R400 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R401 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R403 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R404 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R405 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R406 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R407 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R408 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R409 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R410 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R411 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R412 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R413 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R414 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R415 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R416 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R418 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R419 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R420 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R421 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R423 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R424 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R425 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R426 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R427 | 1-216-853-11 | METAL CHIP | 470K | 5% | 1/10W |
| R428 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R429 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R430 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R431 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R432 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R433 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R434 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (US, CND, KR, CH) |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R435 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R436 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R437 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R438 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R439 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R440 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R441 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R442 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R444 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R445 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R446 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R447 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R448 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R449 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (RU) |
| R449 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (AEP, UK, KR, CH) |
| R450 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R451 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R452 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R453 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R454 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R455 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R456 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R457 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R458 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R459 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R460 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R461 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W (KR) |
| R461 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (AEP, UK) |
| R461 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (US, CND, RU, CH) |
| R463 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R464 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R465 | 1-218-843-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R466 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R468 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R469 | 1-216-813-11 | METAL CHIP | 220 | 5% | 1/10W |
| R470 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R471 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R472 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R474 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R475 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R476 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R477 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R478 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R479 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R480 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R481 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R482 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R483 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R484 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R485 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R486 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R489 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R491 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R492 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R493 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R506 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R507 | 1-218-873-11 | METAL CHIP | 12K | 0.5% | 1/10W |
| R511 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R513 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R514 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R516 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R517 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R519 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R520 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R521 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R522 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R523 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R524 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R525 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R526 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R527 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R528 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R529 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R530 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R531 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R532 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R551 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R552 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R554 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R556 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R558 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R559 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R560 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R561 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R563 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R564 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R565 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R566 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R567 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R568 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R569 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R571 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R572 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R573 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R574 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R575 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R576 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R579 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R581 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R582 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R583 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R584 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R585 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R586 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R600 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R602 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R603 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R604 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R605 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R606 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R607 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W |

**MAIN**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R609 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R611 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% | 1/10W |
| R612 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R614 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R616 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R617 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R619 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R621 | 1-211-991-11 | METAL CHIP | 82 | 0.5% | 1/10W |
| R622 | 1-211-991-11 | METAL CHIP | 82 | 0.5% | 1/10W |
| R623 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R633 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R634 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R635 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R636 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R637 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R639 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R640 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R641 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R643 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R644 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R645 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R653 | 1-218-843-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R654 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R655 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R656 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R657 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R659 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R660 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R661 | 1-218-857-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| R662 | 1-218-857-11 | METAL CHIP | 2.7K | 0.5% | 1/10W |
| R663 | 1-218-839-11 | METAL CHIP | 470 | 0.5% | 1/10W |
| R664 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R665 | 1-211-736-11 | METAL CHIP | 5.1 | 5% | 1/10W |
| R667 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R669 | 1-218-834-11 | METAL CHIP | 300 | 0.5% | 1/10W |
| R670 | 1-218-834-11 | METAL CHIP | 300 | 0.5% | 1/10W |
| R671 | 1-218-834-11 | METAL CHIP | 300 | 0.5% | 1/10W |
| R672 | 1-218-834-11 | METAL CHIP | 300 | 0.5% | 1/10W |
| R674 | 1-218-834-11 | METAL CHIP | 300 | 0.5% | 1/10W |
| R675 | 1-218-834-11 | METAL CHIP | 300 | 0.5% | 1/10W |
| R678 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R679 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R680 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R681 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R682 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R683 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R684 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R685 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R686 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R695 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R696 | 1-218-853-11 | METAL CHIP | 1.8K | 0.5% | 1/10W |
| R801 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R802 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R803 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R804 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R805 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R806 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R807 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R808 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R809 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R810 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R811 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R812 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R813 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R814 | 1-211-987-11 | METAL CHIP | 56 | 0.5% | 1/10W |
| R815 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R816 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R817 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R818 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R819 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R820 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R821 | 1-216-829-11 | METAL CHIP | 4.7K | 5% | 1/10W |
| R822 | 1-211-989-11 | METAL CHIP | 68 | 0.5% | 1/10W |
| R823 | 1-211-991-11 | METAL CHIP | 82 | 0.5% | 1/10W |
| R824 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R825 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R826 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R827 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R829 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R831 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R832 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R833 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R834 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R835 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R836 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R837 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R838 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R839 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R840 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R841 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R842 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R843 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R844 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R845 | 1-218-873-11 | METAL CHIP | 12K | 0.5% | 1/10W |
| R846 | 1-218-843-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R847 | 1-218-843-11 | METAL CHIP | 680 | 0.5% | 1/10W |
| R848 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R849 | 1-218-873-11 | METAL CHIP | 12K | 0.5% | 1/10W |
| R850 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R851 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R852 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R853 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R854 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R855 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R856 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R857 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R858 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R859 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R860 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R861 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R862 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R863 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R864 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R866 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R867 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R868 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R869 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R870 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R871 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R872 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R873 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R874 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R875 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R876 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R877 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R878 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R879 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R880 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R881 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R882 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R883 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R884 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R885 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R886 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R887 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R888 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R889 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R890 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R891 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R892 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R893 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R894 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R895 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R896 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R897 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R898 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R899 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R901 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R902 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R907 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R910 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R911 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R912 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R913 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R914 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R915 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R918 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R920 | 1-216-857-11 | METAL CHIP | 1M | 5% | 1/10W |
| R921 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R930 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R931 | 1-211-983-11 | METAL CHIP | 39 | 0.5% | 1/10W |
| R932 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R934 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R937 | 1-219-724-11 | METAL CHIP | 1 | 1% | 1/4W |
| R938 | 1-219-724-11 | METAL CHIP | 1 | 1% | 1/4W |
| R943 | 1-216-789-11 | METAL CHIP | 2.2 | 5% | 1/10W |
| R950 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R951 | 1-211-991-11 | METAL CHIP | 82 | 0.5% | 1/10W |
| R952 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R954 | 1-211-991-11 | METAL CHIP | 82 | 0.5% | 1/10W |
| R955 | 1-211-989-11 | METAL CHIP | 68 | 0.5% | 1/10W |
| R970 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R972 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R980 | 1-211-989-11 | METAL CHIP | 68 | 0.5% | 1/10W |
| R981 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R997 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R998 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |

< COMPOSITION CIRCUIT BLOCK >

| | | | | | |
|---|---|---|---|---|---|
| RB250 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB251 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB252 | 1-234-370-21 | RES, NETWORK 22 (1005X4) | | | |
| RB254 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB255 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB257 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB258 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB259 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB260 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB261 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB262 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB263 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB264 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB265 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB266 | 1-242-962-21 | RES, NETWORK 82X4 (1005) | | | |
| RB267 | 1-242-962-21 | RES, NETWORK 82X4 (1005) | | | |
| RB268 | 1-242-962-21 | RES, NETWORK 82X4 (1005) | | | |
| RB269 | 1-242-962-21 | RES, NETWORK 82X4 (1005) | | | |
| RB270 | 1-234-400-21 | CONDUCTOR, NETWORK (2010X4) | | | |
| RB271 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB272 | 1-234-400-21 | CONDUCTOR, NETWORK (2010X4) | | | |
| RB274 | 1-234-370-21 | RES, NETWORK 22 (1005X4) | | | |
| RB400 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB401 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB402 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB403 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB404 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB405 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB501 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB502 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB503 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB512 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB513 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB521 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | | | |
| RB522 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | | | |
| RB523 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | | | |
| RB524 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | | | |
| RB531 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB532 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB550 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB551 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB552 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB553 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB554 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB555 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB556 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB557 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB558 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB559 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB560 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |
| RB561 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | | | |

**MAIN** **POWER1**

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| RB562 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB563 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB564 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB565 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB566 | 1-234-400-21 | CONDUCTOR, NETWORK (2010X4) | |
| RB600 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB601 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB602 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB603 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB604 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB605 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB606 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB607 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB608 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB609 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB610 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB611 | 1-234-702-11 | RES, NETWORK 68 (1005X4) | |
| RB612 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB613 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB614 | 1-234-400-21 | CONDUCTOR, NETWORK (2010X4) | |
| RB616 | 1-234-400-21 | CONDUCTOR, NETWORK (2010X4) | |
| RB618 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB619 | 1-239-662-11 | RESISTOR, NETWORK 10 | |
| RB620 | 1-239-662-11 | RESISTOR, NETWORK 10 | |
| RB621 | 1-239-662-11 | RESISTOR, NETWORK 10 | |
| RB622 | 1-239-662-11 | RESISTOR, NETWORK 10 | |
| RB623 | 1-234-372-21 | RES, NETWORK 100 (1005X4) | |
| RB624 | 1-234-372-21 | RES, NETWORK 100 (1005X4) | |
| RB625 | 1-234-372-21 | RES, NETWORK 100 (1005X4) | |
| RB626 | 1-234-372-21 | RES, NETWORK 100 (1005X4) | |
| RB627 | 1-234-370-21 | RES, NETWORK 22 (1005X4) | |
| RB628 | 1-234-370-21 | RES, NETWORK 22 (1005X4) | |
| RB629 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB630 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB631 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB632 | 1-234-400-21 | CONDUCTOR, NETWORK (2010X4) | |
| RB633 | 1-234-378-21 | RES, NETWORK 10K (1005X4) | |
| RB634 | 1-234-378-21 | RES, NETWORK 10K (1005X4) | |
| RB635 | 1-234-372-21 | RES, NETWORK 10K (1005X4) | |
| RB636 | 1-234-378-21 | RES, NETWORK 10K (1005X4) | |
| RB800 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB801 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB802 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB803 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB804 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB805 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB806 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB807 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB808 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB809 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB810 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB811 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB812 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB813 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB814 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB815 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |
| RB816 | 1-234-371-21 | RES, NETWORK 47 (1005X4) | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < VARIABLE RESISTOR > | | | |
| RV600 | 1-223-583-11 | RES, ADJ, CARBON 1K | | | |
| RV601 | 1-223-583-11 | RES, ADJ, CARBON 1K | | | |
| | | < VIBRATOR > | | | |
| X400 | 1-795-121-21 | VIBRATOR, CERAMIC (5MHz) | | | |
| X800 | 1-767-639-21 | VIBRATOR, CRYSTAL (24.576MHz) | | | |
| X903 | 1-781-867-21 | VIBRATOR, CRYSTAL (27MHz) | | | |
| ********** | | | | | |
| | A-1088-432-A | POWER1 BOARD, COMPLETE (US, CND) | | | |
| | A-1088-434-A | POWER1 BOARD, COMPLETE (AEP, UK, RU) | | | |
| | A-1123-383-A | POWER1 BOARD, COMPLETE (KR, CH) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C267 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C269 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C295 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C296 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C297 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C335 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C336 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C337 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C893 | 1-128-996-11 | ELECT CHIP | 4.7uF | 20% | 50V |
| ⚠C903 | 1-119-907-51 | CERAMIC | 4700PF | 20% | 250V (EXCEPT US, CND) |
| ⚠C903 | 1-113-927-11 | CERAMIC | 0.01uF | | 250V (US, CND) |
| ⚠C904 | 1-119-907-51 | CERAMIC | 4700PF | 20% | 250V (EXCEPT US, CND) |
| ⚠C904 | 1-113-927-11 | CERAMIC | 0.01uF | | 250V (US, CND) |
| ⚠C905 | 1-119-907-51 | CERAMIC | 4700PF | 20% | 250V (EXCEPT US, CND) |
| ⚠C905 | 1-113-927-11 | CERAMIC | 0.01uF | | 250V (US, CND) |
| ⚠C906 | 1-113-927-11 | CERAMIC | 0.01uF | | 250V |
| C907 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C908 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C909 | 1-112-140-11 | ELECT | 1uF | 20% | 50V |
| C910 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C911 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C912 | 1-112-366-11 | ELECT | 3300uF | 20% | 25V |
| C913 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C914 | 1-112-115-11 | ELECT | 1000uF | 20% | 6.3V |
| C915 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C916 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C917 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C918 | 1-128-548-11 | ELECT | 4700uF | 20% | 25V |
| C921 | 1-112-378-11 | ELECT | 47uF | 20% | 50V |
| C922 | 1-112-126-11 | ELECT | 4700uF | 20% | 16V |
| C925 | 1-112-126-11 | ELECT | 4700uF | 20% | 16V |
| C926 | 1-112-126-11 | ELECT | 4700uF | 20% | 16V |
| C929 | 1-162-962-11 | CERAMIC CHIP | 470PF | 10% | 50V |
| C930 | 1-112-378-11 | ELECT | 47uF | 20% | 50V |
| C932 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C933 | 1-128-548-11 | ELECT | 4700uF | 20% | 25V |
| C934 | 1-128-548-11 | ELECT | 4700uF | 20% | 25V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C935 | 1-128-991-21 | ELECT CHIP | 10uF | 20% | 50V |
| C936 | 1-104-666-11 | ELECT | 220uF | 20% | 25V |
| C938 | 1-112-365-11 | ELECT | 470uF | 20% | 25V |
| C945 | 1-112-365-11 | ELECT | 470uF | 20% | 25V |
| C946 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C950 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C951 | 1-128-991-21 | ELECT CHIP | 10uF | 20% | 50V |
| C954 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C955 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C959 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C963 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C970 | 1-115-667-11 | ELECT | 10uF | 20% | 50V |
| C971 | 1-112-115-11 | ELECT | 1000uF | 20% | 6.3V |
| C972 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C973 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C976 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| | | < CONNECTOR > | | | |
| * CN109 | 1-770-470-21 | PIN, CONNECTOR (PC BOARD) 6P | | | (AEP, UK, RU) |
| CN113 | 1-691-591-91 | PIN, CONNECTOR 8P | | | |
| * CN900 | 1-580-230-11 | PIN, CONNECTOR (PC BOARD) 2P | | | |
| * CN901 | 1-564-321-21 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| CN902 | 1-564-321-00 | PIN, CONNECTOR (3.96mm PITCH) 2P | | | |
| CN903 | 1-691-767-11 | PLUG (MICRO CONNECTOR) 5P | | | |
| CN905 | 1-691-768-11 | PLUG (MICRO CONNECTOR) 6P | | | |
| CN906 | 1-794-032-21 | PIN, CONNECTOR (PC BOARD) 11P | | | |
| CN907 | 1-794-509-11 | PIN, CONNECTOR (PC BOARD) 3P | | | (US, CND, KR, CH) |
| CN909 | 1-764-177-91 | PIN, CONNECTOR 7P | | | |
| CN910 | 1-573-806-21 | PIN, CONNECTOR (1.5mm PITCH) (SMD) 6P | | | |
| | | < DIODE > | | | |
| D106 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D107 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D411 | 8-719-988-61 | DIODE 1SS355TE-17 | | | |
| D891 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D901 | 8-719-941-86 | DIODE DAN202U | | | |
| D902 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D903 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D904 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D905 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D909 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D910 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D911 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D912 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D915 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D916 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D917 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D918 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D919 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D920 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D921 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D922 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D923 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D924 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D925 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D926 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| D928 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D929 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D930 | 8-719-941-86 | DIODE DAN202U | | | |
| D935 | 8-719-049-09 | DIODE 1SS367-T3SONY | | | |
| D936 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D939 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D940 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| | | < RESISTOR > | | | |
| ⚠FR901 | 1-217-641-00 | FUSIBLE | 4.7 | 5% | 1/4W F |
| ⚠FR902 | 1-217-641-00 | FUSIBLE | 4.7 | 5% | 1/4W F |
| ⚠FR903 | 1-240-306-51 | FUSIBLE | 15 | 5% | 1/4W F |
| ⚠FR904 | 1-217-640-51 | FUSIBLE | 3.3 | 5% | 1/4W F |
| ⚠FR905 | 1-217-640-51 | FUSIBLE | 3.3 | 5% | 1/4W F |
| ⚠FR906 | 1-217-640-51 | FUSIBLE | 3.3 | 5% | 1/4W F |
| | | < IC > | | | |
| IC900 | 6-707-703-01 | IC BD3940FP-E2 | | | |
| IC903 | 6-706-997-01 | IC BA07CC0WFP-E2 | | | |
| IC904 | 8-759-392-17 | IC uPC7908AHF | | | |
| IC905 | 8-759-450-50 | IC BA08T | | | |
| IC907 | 6-705-337-01 | IC TK11150CSCL-G | | | |
| IC908 | 6-707-703-01 | IC BD3940FP-E2 | | | |
| IC909 | 8-759-394-35 | IC BA12T | | | |
| | | < FILTER/COIL > | | | |
| L806 | 1-424-122-11 | FILTER, NOISE | | | |
| L807 | 1-424-122-11 | FILTER, NOISE | | | |
| L815 | 1-424-122-11 | FILTER, NOISE | | | |
| L816 | 1-424-122-11 | FILTER, NOISE | | | |
| L883 | 1-424-122-11 | FILTER, NOISE | | | |
| L884 | 1-424-122-11 | FILTER, NOISE | | | |
| L885 | 1-424-122-11 | FILTER, NOISE | | | |
| L886 | 1-424-122-11 | FILTER, NOISE | | | |
| L887 | 1-424-122-11 | FILTER, NOISE | | | |
| L888 | 1-424-122-11 | FILTER, NOISE | | | |
| L889 | 1-424-122-11 | FILTER, NOISE | | | |
| L890 | 1-424-122-11 | FILTER, NOISE | | | |
| L895 | 1-424-122-11 | FILTER, NOISE | | | |
| L896 | 1-424-122-11 | FILTER, NOISE | | | |
| L897 | 1-424-122-11 | FILTER, NOISE | | | |
| L898 | 1-424-122-11 | FILTER, NOISE | | | |
| ⚠L900 | 1-421-915-11 | COIL, LINE FILTER | | | |
| ⚠L901 | 1-421-915-11 | COIL, LINE FILTER | | | |
| ⚠L902 | 1-421-915-11 | COIL, LINE FILTER | | | |
| L903 | 1-424-122-11 | FILTER, NOISE | | | |
| L904 | 1-424-122-11 | FILTER, NOISE | | | |
| L905 | 1-424-122-11 | FILTER, NOISE | | | |
| L906 | 1-424-122-11 | FILTER, NOISE | | | |
| L907 | 1-424-122-11 | FILTER, NOISE | | | |
| L918 | 1-424-122-11 | FILTER, NOISE | | | |
| L920 | 1-414-398-11 | INDUCTOR | 10uH | | |
| | | < TRANSISTOR > | | | |
| Q881 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| Q900 | 8-729-230-27 | TRANSISTOR | 2SA1213Y-TE12L | | |

**POWER1** **POWER2**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| Q901 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| Q902 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| Q903 | 8-729-027-38 | TRANSISTOR | DTA144EKA-T146 | | |
| Q906 | 8-729-024-91 | TRANSISTOR | 2SC2712-GL-TE85L | | |
| Q907 | 6-550-830-01 | TRANSISTOR | 2SD2118-TLQ | | |
| | | < RESISTOR > | | | |
| R886 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R893 | 1-216-835-11 | METAL CHIP | 15K | 5% | 1/10W |
| R894 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R895 | 1-216-848-11 | METAL CHIP | 180K | 5% | 1/10W |
| R896 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R897 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R900 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R901 | 1-216-198-00 | RES-CHIP | 1K | 5% | 1/8W |
| R902 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R903 | 1-216-843-11 | METAL CHIP | 68K | 5% | 1/10W |
| R911 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W |
| R917 | 1-216-839-11 | METAL CHIP | 33K | 5% | 1/10W |
| | | < RELAY > | | | |
| ⚠RY900 | 1-755-324-11 | RELAY | | | |
| | | < TRANSFORMER > | | | |
| ⚠T900 | 1-443-555-11 | TRANSFORMER, POWER (US, CND) | | | |
| ⚠T900 | 1-443-556-11 | TRANSFORMER, POWER (EXCEPT US, CND) | | | |
| ********** | | | | | |
| | A-1088-435-A | POWER2 BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C273 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C274 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C332 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C333 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C334 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C894 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C895 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C896 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C919 | 1-112-367-11 | ELECT | 4700uF | 20% | 25V |
| C920 | 1-112-138-11 | ELECT | 3300uF | 20% | 35V |
| C923 | 1-131-969-11 | ELECT | 1800uF | 20% | 25V |
| C924 | 1-165-744-11 | ELECT | 1200uF | 20% | 35V |
| C927 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C928 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C931 | 1-128-550-11 | ELECT | 2200uF | 20% | 50V |
| C937 | 1-128-550-11 | ELECT | 2200uF | 20% | 50V |
| C940 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C941 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C943 | 1-128-963-11 | ELECT | 1000uF | 20% | 50V |
| C947 | 1-137-749-11 | MYLAR | 0.1uF | | 100V |
| C948 | 1-165-718-21 | ELECT | 3300uF | 20% | 6.3V |
| C949 | 1-165-718-21 | ELECT | 3300uF | 20% | 6.3V |
| C952 | 1-165-718-21 | ELECT | 3300uF | 20% | 6.3V |
| C953 | 1-165-718-21 | ELECT | 3300uF | 20% | 6.3V |
| C956 | 1-164-156-11 | CERAMIC CHIP | 0.1uF | | 25V |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C957 | 1-128-951-21 | ELECT | 2200uF | 20% | 16V |
| C958 | 1-128-951-21 | ELECT | 2200uF | 20% | 16V |
| C960 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C961 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C962 | 1-162-964-11 | CERAMIC CHIP | 0.001uF | 10% | 50V |
| C964 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C965 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C966 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C967 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C968 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C969 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C974 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C975 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| | | < CONNECTOR > | | | |
| CN904 | 1-691-768-11 | PLUG (MICRO CONNECTOR) 6P | | | |
| CN908 | 1-816-587-21 | PIN, CONNECTOR (PC BOARD) 15P | | | |
| CN911 | 1-691-591-91 | PIN, CONNECTOR 8P | | | |
| | | < DIODE > | | | |
| D907 | 8-719-313-15 | DIODE FML-22R | | | |
| D908 | 8-719-313-15 | DIODE FML-22R | | | |
| D913 | 8-719-313-14 | DIODE FML-22S | | | |
| D914 | 8-719-313-14 | DIODE FML-22S | | | |
| D927 | 8-719-313-15 | DIODE FML-22R | | | |
| D931 | 8-719-313-14 | DIODE FML-22S | | | |
| D932 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D933 | 8-719-085-58 | DIODE EC30HA03L-TE12L | | | |
| D938 | 6-500-075-01 | DIODE LI136V | | | |
| | | < IC > | | | |
| IC901 | 6-703-559-01 | IC SI-8033SS | | | |
| IC902 | 6-703-559-01 | IC SI-8033SS | | | |
| IC906 | 6-703-656-01 | IC SI-8090S | | | |
| | | < FILTER/COIL > | | | |
| L800 | 1-424-122-11 | FILTER, NOISE | | | |
| L801 | 1-424-122-11 | FILTER, NOISE | | | |
| L802 | 1-424-122-11 | FILTER, NOISE | | | |
| L803 | 1-424-122-11 | FILTER, NOISE | | | |
| L804 | 1-424-122-11 | FILTER, NOISE | | | |
| L805 | 1-424-122-11 | FILTER, NOISE | | | |
| L809 | 1-424-122-11 | FILTER, NOISE | | | |
| L810 | 1-424-122-11 | FILTER, NOISE | | | |
| L811 | 1-424-122-11 | FILTER, NOISE | | | |
| L812 | 1-424-122-11 | FILTER, NOISE | | | |
| L813 | 1-424-122-11 | FILTER, NOISE | | | |
| L814 | 1-424-122-11 | FILTER, NOISE | | | |
| L908 | 1-456-545-11 | CHOKE, COIL | 100uH | | |
| L909 | 1-456-545-11 | CHOKE, COIL | 100uH | | |
| L910 | 1-456-545-11 | CHOKE, COIL | 100uH | | |
| L911 | 1-419-763-21 | CHOKE, COIL | 220uH | | |
| L912 | 1-419-763-21 | CHOKE, COIL | 220uH | | |
| L913 | 1-419-763-21 | CHOKE, COIL | 220uH | | |
| L921 | 1-414-398-11 | INDUCTOR | 10uH | | |
| L922 | 1-414-398-11 | INDUCTOR | 10uH | | |
| L923 | 1-414-398-11 | INDUCTOR | 10uH | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < TRANSISTOR > | | | |
| Q883 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| Q884 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| Q885 | 8-729-027-59 | TRANSISTOR | DTC144EKA-T146 | | |
| | | < RESISTOR > | | | |
| R905 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R906 | 1-216-190-00 | RES-CHIP | 470 | 5% | 1/8W |
| R910 | 1-216-178-00 | RES-CHIP | 150 | 5% | 1/8W |
| R912 | 1-216-190-00 | RES-CHIP | 470 | 5% | 1/8W |
| R913 | 1-216-174-00 | RES-CHIP | 100 | 5% | 1/8W |
| R914 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R915 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| ********** | | | | | |
| | A-1088-436-A | RS232C BOARD, COMPLETE | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C440 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C871 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C872 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C873 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C874 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C875 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C876 | 1-124-779-00 | ELECT CHIP | 10uF | 20% | 16V |
| C877 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C878 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C879 | 1-107-826-11 | CERAMIC CHIP | 0.1uF | 10% | 16V |
| C880 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% | 50V |
| C884 | 1-126-044-11 | ELECT | 1uF | 20% | 50V |
| C886 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C887 | 1-100-390-21 | ELECT CHIP | 180uF | 20% | 6.3V |
| C888 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C889 | 1-126-391-11 | ELECT CHIP | 47uF | 20% | 6.3V |
| C890 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% | 25V |
| C897 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C898 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% | 16V |
| C977 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| C978 | 1-109-857-11 | ELECT | 47uF | 20% | 63V |
| | | < CONNECTOR > | | | |
| * CN871 | 1-766-376-11 | PIN, CONNECTOR (1.5mm) (SMD) 9P | | | |
| CN872 | 1-784-365-21 | CONNECTOR, FFC/FPC 5P | | | |
| CN880 | 1-573-290-21 | PIN, CONNECTOR (1.5mm) (SMD) 4P | | | |
| CNP879 | 1-815-737-11 | CONNECTOR, (D) SUB 9P (RS232C) | | | |
| | | < DIODE > | | | |
| D890 | 8-719-071-15 | DIODE HZM6.8ZWA1TL | | | |
| | | < FERRITE BEAD > | | | |
| FB890 | 1-469-981-21 | INDUCTOR, FERRITE BEAD | | | |
| FB891 | 1-469-981-21 | INDUCTOR, FERRITE BEAD | | | |
| | | < FILTER > | | | |
| FL871 | 1-234-177-21 | FILTER, CHIP EMI | | | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| | | < IC > | | | |
| IC871 | 6-705-514-01 | IC MAX3222IPWR | | | |
| IC881 | 6-600-461-01 | IC TOTX147L(DIGITAL OUT PCM/DTS/DOLBY DIGITAL OPTICAL) (US, CND, KR, CH) | | | |
| IC881 | 6-600-461-01 | IC TOTX147L (DIGITAL OUT PCM/DTS/MPEG/ DOLBY DIGITAL OPTICAL) (AEP, UK, RU) | | | |
| IC882 | 6-704-470-01 | IC TK11233CMCL-G | | | |
| IC883 | 8-759-196-96 | IC TC7SH08FU-TE85R | | | |
| IC884 | 8-759-196-96 | IC TC7SH08FU-TE85R | | | |
| | | < JACK > | | | |
| J880 | 1-818-300-11 | JACK, PIN 1P (DIGITAL OUT PCM/DTS/DOLBY DIGITAL COAXIAL) (US, CND, KR, CH) | | | |
| J880 | 1-818-300-11 | JACK, PIN 1P (DIGITAL OUT PCM/DTS/MPEG/ DOLBY DIGITAL COAXIAL) (AEP, UK, RU) | | | |
| J890 | 1-764-188-21 | JACK (SMALL TYPE) (DIA. 3.5) (CONTROL S IN/IR IN) | | | |
| | | < RESISTOR > | | | |
| R445 | 1-218-285-11 | METAL CHIP | 75 | 5% | 1/10W |
| R446 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R871 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R872 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R873 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R874 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R876 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R877 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R878 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R879 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R880 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R890 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R891 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R921 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R922 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R923 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R924 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R925 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R926 | 1-216-864-11 | SHORT CHIP | 0 | | |
| | | < COIL > | | | |
| T801 | 1-416-701-11 | COIL (WITH CORE) | | | |
| ********** | | | | | |
| | A-1088-440-A | VIDEO BOARD, COMPLETE (US, CND, KR, CH) | | | |
| | A-1088-441-A | VIDEO BOARD, COMPLETE (AEP, UK, RU) | | | |
| | | ********** | | | |
| | | < CAPACITOR > | | | |
| C401 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C402 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C403 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C404 | 1-117-681-11 | ELECT CHIP | 100uF | 20% | 16V |
| C408 | 1-126-395-11 | ELECT CHIP | 22uF | 20% | 16V (AEP, UK, RU) |
| C409 | 1-126-395-11 | ELECT CHIP | 22uF | 20% | 16V (AEP, UK, RU) |
| C411 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |
| C412 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% | 25V |

**VIDEO**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C418 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | (AEP, UK, RU) |
| C419 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | (AEP, UK, RU) |
| C421 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C422 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C428 | 1-126-395-11 | ELECT CHIP | 22uF | 20% 16V | (AEP, UK, RU) |
| C429 | 1-126-395-11 | ELECT CHIP | 22uF | 20% 16V | (AEP, UK, RU) |
| C461 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (US, CND, KR, CH) |
| C462 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (US, CND, KR, CH) |
| C463 | 1-126-395-11 | ELECT CHIP | 22uF | 20% 16V | (US, CND, KR, CH) |
| C464 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (US, CND, KR, CH) |
| C465 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (US, CND, KR, CH) |
| C468 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | (US, CND, KR, CH) |
| C469 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | (US, CND, KR, CH) |
| C471 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (US, CND, KR, CH) |
| C472 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (US, CND, KR, CH) |
| C473 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | (US, CND, KR, CH) |
| C474 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (US, CND, KR, CH) |
| C475 | 1-126-395-11 | ELECT CHIP | 22uF | 20% 16V | (US, CND, KR, CH) |
| C476 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (US, CND, KR, CH) |
| C481 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (US, CND, KR, CH) |
| C482 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (US, CND, KR, CH) |
| C484 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (US, CND, KR, CH) |
| C485 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (US, CND, KR, CH) |
| C501 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | |
| C502 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | (US, CND, KR, CH) |
| C521 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | (AEP, UK, RU) |
| C522 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | (AEP, UK, RU) |
| C527 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C528 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C529 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (AEP, UK, RU) |
| C537 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C538 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C539 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (AEP, UK, RU) |
| C547 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C548 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C549 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (AEP, UK, RU) |
| C551 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% 50V | |
| C552 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C553 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | |
| C554 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | |
| C561 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% 50V | |
| C562 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C571 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% 50V | |
| C572 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C600 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | (AEP, UK, RU) |
| C601 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | |
| C602 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | |
| C603 | 1-100-390-21 | ELECT CHIP | 180uF | 20% 6.3V | |
| C604 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% 50V | |
| C605 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C606 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C607 | 1-100-390-21 | ELECT CHIP | 180uF | 20% 6.3V | |
| C608 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% 50V | |
| C609 | 1-115-416-11 | CERAMIC CHIP | 0.001uF | 5% 25V | |
| C610 | 1-100-390-21 | ELECT CHIP | 180uF | 20% 6.3V | |
| C611 | 1-115-339-11 | CERAMIC CHIP | 0.1uF | 10% 50V | |
| C612 | 1-128-994-21 | ELECT CHIP | 47uF | 20% 10V | (AEP, UK, RU) |
| C615 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | |
| C616 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | |
| C621 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | |
| C622 | 1-128-994-21 | ELECT CHIP | 47uF | 20% 10V | |
| C623 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | |
| C624 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C625 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C630 | 1-128-994-21 | ELECT CHIP | 47uF | 20% 10V | |
| C641 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | |
| C642 | 1-128-994-21 | ELECT CHIP | 47uF | 20% 10V | |
| C643 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | |
| C644 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C645 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C661 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | |
| C662 | 1-128-994-21 | ELECT CHIP | 47uF | 20% 10V | |
| C663 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | |
| C664 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C665 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | |
| C690 | 1-165-729-21 | ELECT | 470uF | 20% 16V | |
| C691 | 1-165-729-21 | ELECT | 470uF | 20% 16V | |
| C701 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | (AEP, UK, RU) |
| C702 | 1-117-681-11 | ELECT CHIP | 100uF | 20% 16V | (AEP, UK, RU) |
| C710 | 1-127-956-21 | FILM CHIP | 0.1uF | 5% 16V | (AEP, UK, RU) |
| C711 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (AEP, UK, RU) |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| C712 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C713 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C721 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (AEP, UK, RU) |
| C722 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C723 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C731 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (AEP, UK, RU) |
| C732 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C733 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C740 | 1-126-395-11 | ELECT CHIP | 22uF | 20% 16V | (AEP, UK, RU) |
| C741 | 1-162-907-11 | CERAMIC CHIP | 2PF | 0.25PF 50V | (AEP, UK, RU) |
| C742 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C743 | 1-162-970-11 | CERAMIC CHIP | 0.01uF | 10% 25V | (AEP, UK, RU) |
| C772 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% 50V | (AEP, UK, RU) |
| C773 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% 50V | (AEP, UK, RU) |
| C774 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| C775 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| C776 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| C777 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| C791 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% 50V | (AEP, UK, RU) |
| C792 | 1-162-927-11 | CERAMIC CHIP | 100PF | 5% 50V | (AEP, UK, RU) |
| C793 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| C794 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| C795 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| C796 | 1-164-315-11 | CERAMIC CHIP | 470PF | 5% 50V | (AEP, UK, RU) |
| | | < CONNECTOR > | | | |
| CN411 | 1-784-374-21 | CONNECTOR, FFC/FPC 15P | | | |
| CN412 | 1-784-368-11 | CONNECTOR, FFC/FPC 9P | | | |
| * CN601 | 1-770-470-21 | PIN, CONNECTOR (PC BOARD) 6P | | | (AEP, UK, RU) |
| CN601 | 1-794-509-11 | PIN, CONNECTOR (PC BOARD) 3P | | | (US, CND, KR, CH) |
| CN701 | 1-794-509-11 | PIN, CONNECTOR (PC BOARD) 3P | | | (AEP, UK, RU) |
| | | < DIODE > | | | |
| D501 | 8-719-071-15 | DIODE HZM6.8ZWA1TL | | | |
| D502 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (US, CND, KR, CH) | | | |
| D503 | 8-719-071-15 | DIODE HZM6.8ZWA1TL | | | |
| D504 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (US, CND, KR, CH) | | | |
| D591 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D592 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D601 | 8-719-029-66 | DIODE RD5.1UJN-T1 | | | |
| D630 | 6-500-697-01 | DIODE UDZSTE-173.3B | | | |
| D690 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D691 | 8-719-053-18 | DIODE 1SR154-400TE-25 | | | |
| D701 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D702 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D703 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D704 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D751 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D761 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D762 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D763 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D764 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D765 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D766 | 8-719-988-61 | DIODE 1SS355TE-17 (AEP, UK, RU) | | | |
| D771 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D772 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D774 | 8-719-069-56 | DIODE UDZSTE-176.2B (AEP, UK, RU) | | | |
| D775 | 8-719-083-63 | DIODE UDZSTE-1713B (AEP, UK, RU) | | | |
| D776 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D777 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D778 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D779 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D780 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D781 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D791 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| D792 | 8-719-069-56 | DIODE UDZSTE-176.2B (AEP, UK, RU) | | | |
| D793 | 8-719-083-63 | DIODE UDZSTE-1713B (AEP, UK, RU) | | | |
| D794 | 8-719-071-15 | DIODE HZM6.8ZWA1TL (AEP, UK, RU) | | | |
| | | < FERRITE BEAD > | | | |
| FB771 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB772 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB773 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB774 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB775 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB776 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB777 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB778 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB779 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB791 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB792 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB793 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB794 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB795 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB796 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB797 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB798 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| FB799 | 1-414-553-11 | FERRITE, EMI (SMD) (2012) (AEP, UK, RU) | | | |
| | | < FILTER > | | | |
| FL401 | 1-795-708-21 | FILTER, LOW PASS (6.75MHZ) | | | |
| FL411 | 1-795-708-21 | FILTER, LOW PASS (6.75MHZ) | | | |
| FL421 | 1-795-708-21 | FILTER, LOW PASS (6.75MHZ) | | | |

## VIDEO

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| FL551 | 1-795-280-11 | FILTER, LOW PASS (13.5MHZ) | |
| FL561 | 1-795-280-11 | FILTER, LOW PASS (13.5MHZ) | |
| FL571 | 1-795-280-11 | FILTER, LOW PASS (13.5MHZ) | |
| FL601 | 1-233-893-21 | FILTER, CHIP EMI | |
| FL602 | 1-233-893-21 | FILTER, CHIP EMI | |
| FL604 | 1-233-893-21 | FILTER, CHIP EMI (AEP, UK, RU) | |
| FL605 | 1-233-893-21 | FILTER, CHIP EMI (AEP, UK, RU) | |
| FL611 | 1-233-893-21 | FILTER, CHIP EMI (AEP, UK, RU) | |
| FL612 | 1-233-893-21 | FILTER, CHIP EMI (AEP, UK, RU) | |
| | | < IC > | |
| IC461 | 8-759-684-23 | IC AD8058ARMZ-REEL (US, CND, KR, CH) | |
| IC471 | 8-759-684-23 | IC AD8058ARMZ-REEL (US, CND, KR, CH) | |
| IC481 | 8-759-684-23 | IC AD8058ARMZ-REEL (US, CND, KR, CH) | |
| IC521 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC531 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC541 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC601 | 8-759-711-85 | IC NJM4580E-D | |
| IC621 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC621 | 8-759-684-23 | IC AD8058ARMZ-REEL (US, CND, KR, CH) | |
| IC641 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC641 | 8-759-684-23 | IC AD8058ARMZ-REEL (US, CND, KR, CH) | |
| IC661 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC661 | 8-759-684-23 | IC AD8058ARMZ-REEL (US, CND, KR, CH) | |
| IC711 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC721 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC731 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| IC741 | 8-759-684-21 | IC AD8057ARTZ-REEL7 (AEP, UK, RU) | |
| | | < TERMINAL/JACK/CONNECTOR > | |
| J501 | 1-694-484-11 | TERMINAL, S (2P.V) (S VIDEO OUT 1/2) (US, CND, KR, CH) | |
| J501 | 1-794-198-21 | CONNECTOR, S TERMINAL (S VIDEO OUT) (AEP, UK, RU) | |
| J502 | 1-785-867-21 | JACK, PIN 1P (VIDEO OUT) (AEP, UK, RU) | |
| J502 | 1-793-475-11 | JACK, PIN 2P (VIDEO OUT 1/2) (US, CND, KR, CH) | |
| J620 | 1-794-731-11 | JACK, PIN 1P (COMPONENT VIDEO OUT Y) | |
| J640 | 1-794-732-11 | JACK, PIN 1P (COMPONENT VIDEO OUT PB/CB) | |
| J660 | 1-794-733-11 | JACK, PIN 1P (COMPONENT VIDEO OUT PR/CR) | |
| J771 | 1-816-044-11 | CONNECTOR, SQUARE TYPE 21P (⇨ LINE 1 (RGB) — TV) (AEP, UK, RU) | |
| J791 | 1-816-044-11 | CONNECTOR, SQUARE TYPE 21P (⇦ LINE 2) (AEP, UK, RU) | |
| | | < COIL > | |
| L411 | 1-419-387-21 | CHOKE, COIL 100uH | |
| L412 | 1-419-387-21 | CHOKE, COIL 100uH | |
| L461 | 1-419-387-21 | CHOKE, COIL 100uH (US, CND, KR, CH) | |
| L462 | 1-419-387-21 | CHOKE, COIL 100uH (US, CND, KR, CH) | |
| L521 | 1-419-387-21 | CHOKE, COIL 100uH (AEP, UK, RU) | |
| L522 | 1-419-387-21 | CHOKE, COIL 100uH (AEP, UK, RU) | |
| L551 | 1-419-387-21 | CHOKE, COIL 100uH | |
| L552 | 1-419-387-21 | CHOKE, COIL 100uH | |
| L611 | 1-419-387-21 | CHOKE, COIL 100uH (AEP, UK, RU) | |
| L615 | 1-419-387-21 | CHOKE, COIL 100uH | |
| L616 | 1-419-387-21 | CHOKE, COIL 100uH | |
| L701 | 1-419-387-21 | CHOKE, COIL 100uH (AEP, UK, RU) | |
| L702 | 1-419-387-21 | CHOKE, COIL 100uH (AEP, UK, RU) | |
| | | < TRANSISTOR > | |
| Q401 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| Q402 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q403 | 8-729-216-22 | TRANSISTOR 2SA1162-G (AEP, UK, RU) | |
| Q411 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| Q412 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q413 | 8-729-216-22 | TRANSISTOR 2SA1162-G (AEP, UK, RU) | |
| Q421 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| Q422 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q423 | 8-729-216-22 | TRANSISTOR 2SA1162-G (AEP, UK, RU) | |
| Q433 | 8-729-216-22 | TRANSISTOR 2SA1162-G (AEP, UK, RU) | |
| Q443 | 8-729-216-22 | TRANSISTOR 2SA1162-G (AEP, UK, RU) | |
| Q453 | 8-729-216-22 | TRANSISTOR 2SA1162-G (AEP, UK, RU) | |
| Q461 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 (US, CND, KR, CH) | |
| Q471 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 (US, CND, KR, CH) | |
| Q481 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 (US, CND, KR, CH) | |
| Q491 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 | |
| Q492 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (AEP, UK, RU) | |
| Q494 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH) | |
| Q496 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH) | |
| Q498 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH) | |
| Q499 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH) | |
| Q521 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 (AEP, UK, RU) | |
| Q531 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 (AEP, UK, RU) | |
| Q541 | 8-729-141-73 | TRANSISTOR 2SC3624A-T1L15L16 AEP, UK, RU) | |
| Q551 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| Q552 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q561 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| Q562 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q571 | 8-729-230-49 | TRANSISTOR 2SC2712-YG | |
| Q572 | 8-729-216-22 | TRANSISTOR 2SA1162-G | |
| Q581 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 (US, CND, KR, CH) | |
| Q583 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH) | |
| Q585 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 | |
| Q587 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (US, CND, KR, CH) | |
| Q589 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 (US, CND, KR, CH) | |
| Q590 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 (US, CND, KR, CH) | |
| Q591 | 8-729-029-14 | TRANSISTOR DTC144EUA-T106 (AEP, UK, RU) | |
| Q592 | 8-729-028-73 | TRANSISTOR DTA114EUA-T106 (AEP, UK, RU) | |

| Ref. No. | Part No. | Description | | Remark |
|---|---|---|---|---|
| Q593 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | (AEP, UK, RU) |
| Q594 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | |
| Q595 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | |
| Q596 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | (AEP, UK, RU) |
| Q597 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | (AEP, UK, RU) |
| Q601 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | |
| Q602 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | |
| Q603 | 8-729-232-69 | FET | 2SK208-GR3 | |
| Q604 | 8-729-209-60 | TRANSISTOR | 2SB1375 | |
| Q605 | 8-729-018-60 | TRANSISTOR | 2SD2012-LC | |
| Q621 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | |
| Q641 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | |
| Q661 | 8-729-141-73 | TRANSISTOR | 2SC3624A-T1L15L16 | |
| Q701 | 8-729-050-50 | TRANSISTOR | 2SD1782K-T146-R | (AEP, UK, RU) |
| Q702 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | (AEP, UK, RU) |
| Q703 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | (AEP, UK, RU) |
| Q704 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | (AEP, UK, RU) |
| Q711 | 8-729-046-97 | TRANSISTOR | 2SD1938 (F) -T (TX).SO | (AEP, UK, RU) |
| Q721 | 8-729-046-97 | TRANSISTOR | 2SD1938 (F) -T (TX).SO | (AEP, UK, RU) |
| Q731 | 8-729-046-97 | TRANSISTOR | 2SD1938 (F) -T (TX).SO | (AEP, UK, RU) |
| Q741 | 8-729-046-97 | TRANSISTOR | 2SD1938 (F) -T (TX).SO | (AEP, UK, RU) |
| Q751 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | (AEP, UK, RU) |
| Q752 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | (AEP, UK, RU) |
| Q753 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | (AEP, UK, RU) |
| Q754 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | (AEP, UK, RU) |
| Q755 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | (AEP, UK, RU) |
| Q756 | 8-729-907-00 | TRANSISTOR | DTC114EU (AEP, UK, RU) | |
| Q757 | 8-729-029-14 | TRANSISTOR | DTC144EUA-T106 | (AEP, UK, RU) |
| Q758 | 8-729-028-73 | TRANSISTOR | DTA114EUA-T106 | (AEP, UK, RU) |
| Q761 | 8-729-050-50 | TRANSISTOR | 2SD1782K-T146-R | (AEP, UK, RU) |
| Q762 | 8-729-050-50 | TRANSISTOR | 2SD1782K-T146-R | (AEP, UK, RU) |
| Q763 | 8-729-050-50 | TRANSISTOR | 2SD1782K-T146-R | (AEP, UK, RU) |

< RESISTOR >

| Ref. No. | Part No. | Description | | | |
|---|---|---|---|---|---|
| R401 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R402 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R403 | 1-211-983-11 | METAL CHIP | 39 | 0.5% | 1/10W |
| R404 | 1-218-829-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R405 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W |
| R406 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R407 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R408 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R409 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R411 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R412 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R413 | 1-211-983-11 | METAL CHIP | 39 | 0.5% | 1/10W |
| R414 | 1-218-829-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R415 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W |
| R416 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R417 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R418 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R419 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R421 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W |
| R422 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R423 | 1-211-983-11 | METAL CHIP | 39 | 0.5% | 1/10W |
| R424 | 1-218-829-11 | METAL CHIP | 180 | 0.5% | 1/10W |
| R425 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W |
| R426 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R427 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R428 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R429 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R437 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R438 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R439 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R447 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R448 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R449 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R457 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R458 | 1-216-801-11 | METAL CHIP | 22 | 5% | 1/10W (AEP, UK, RU) |
| R459 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R460 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (US, CND, KR, CH) |
| R461 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (US, CND, KR, CH) |
| R462 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (US, CND, KR, CH) |
| R463 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (US, CND, KR, CH) |
| R464 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (US, CND, KR, CH) |
| R465 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W (US, CND, KR, CH) |
| R466 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W (US, CND, KR, CH) |

**VIDEO**

| Ref. No. | Part No. | Description | | Remark |
|---|---|---|---|---|
| R467 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (US, CND, KR, CH) |
| R468 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (US, CND, KR, CH) |
| R469 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (US, CND, KR, CH) |
| R471 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (US, CND, KR, CH) |
| R472 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | (US, CND, KR, CH) |
| R473 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (US, CND, KR, CH) |
| R474 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (US, CND, KR, CH) |
| R475 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (US, CND, KR, CH) |
| R476 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (US, CND, KR, CH) |
| R477 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (US, CND, KR, CH) |
| R478 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (US, CND, KR, CH) |
| R479 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (US, CND, KR, CH) |
| R481 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (US, CND, KR, CH) |
| R482 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | (US, CND, KR, CH) |
| R483 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (US, CND, KR, CH) |
| R484 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (US, CND, KR, CH) |
| R485 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (US, CND, KR, CH) |
| R486 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (US, CND, KR, CH) |
| R487 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (US, CND, KR, CH) |
| R488 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (US, CND, KR, CH) |
| R489 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (US, CND, KR, CH) |
| R492 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (US, CND, KR, CH) |
| R493 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (AEP, UK, RU) |
| R494 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (US, CND, KR, CH) |
| R496 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (US, CND, KR, CH) |
| R498 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (US, CND, KR, CH) |
| R501 | 1-243-862-11 | METAL CHIP | 75 0.5% 1/8W | |
| R502 | 1-216-864-11 | SHORT CHIP | 0 | |
| R503 | 1-243-862-11 | METAL CHIP | 75 0.5% 1/8W | (US, CND, KR, CH) |
| R504 | 1-216-864-11 | SHORT CHIP | 0 (US, CND, KR, CH) | |
| R505 | 1-243-862-11 | METAL CHIP | 75 0.5% 1/8W | |
| R506 | 1-216-864-11 | SHORT CHIP | 0 | |
| R507 | 1-243-862-11 | METAL CHIP | 75 0.5% 1/8W | (US, CND, KR, CH) |
| R508 | 1-216-864-11 | SHORT CHIP | 0 (US, CND, KR, CH) | |
| R509 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | (US, CND, KR, CH) |
| R510 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | |
| R511 | 1-243-862-11 | METAL CHIP | 75 0.5% 1/8W | |
| R512 | 1-216-864-11 | SHORT CHIP | 0 | |
| R513 | 1-243-862-11 | METAL CHIP | 75 0.5% 1/8W | (US, CND, KR, CH) |
| R514 | 1-216-864-11 | SHORT CHIP | 0 (US, CND, KR, CH) | |
| R520 | 1-216-841-11 | METAL CHIP | 47K 5% 1/10W | (AEP, UK, RU) |
| R521 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | (AEP, UK, RU) |
| R522 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (AEP, UK, RU) |
| R523 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (AEP, UK, RU) |
| R524 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (AEP, UK, RU) |
| R525 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (AEP, UK, RU) |
| R526 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (AEP, UK, RU) |
| R531 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | (AEP, UK, RU) |
| R532 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (AEP, UK, RU) |
| R533 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (AEP, UK, RU) |
| R534 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (AEP, UK, RU) |
| R535 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (AEP, UK, RU) |
| R536 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (AEP, UK, RU) |
| R541 | 1-216-833-11 | METAL CHIP | 10K 5% 1/10W | (AEP, UK, RU) |
| R542 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (AEP, UK, RU) |
| R543 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | (AEP, UK, RU) |
| R544 | 1-216-797-11 | METAL CHIP | 10 5% 1/10W | (AEP, UK, RU) |
| R545 | 1-218-847-11 | METAL CHIP | 1K 0.5% 1/10W | (AEP, UK, RU) |
| R546 | 1-218-845-11 | METAL CHIP | 820 0.5% 1/10W | (AEP, UK, RU) |
| R551 | 1-216-801-11 | METAL CHIP | 22 5% 1/10W | |
| R552 | 1-218-843-11 | METAL CHIP | 680 0.5% 1/10W | |
| R553 | 1-211-978-11 | METAL CHIP | 24 0.5% 1/10W | |
| R554 | 1-218-825-11 | METAL CHIP | 120 0.5% 1/10W | |
| R555 | 1-218-855-11 | METAL CHIP | 2.2K 0.5% 1/10W | |
| R556 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | |
| R561 | 1-216-801-11 | METAL CHIP | 22 5% 1/10W | |
| R562 | 1-218-843-11 | METAL CHIP | 680 0.5% 1/10W | |
| R563 | 1-211-978-11 | METAL CHIP | 24 0.5% 1/10W | |
| R564 | 1-218-825-11 | METAL CHIP | 120 0.5% 1/10W | |
| R565 | 1-218-855-11 | METAL CHIP | 2.2K 0.5% 1/10W | |
| R566 | 1-216-821-11 | METAL CHIP | 1K 5% 1/10W | |
| R571 | 1-216-801-11 | METAL CHIP | 22 5% 1/10W | |
| R572 | 1-218-843-11 | METAL CHIP | 680 0.5% 1/10W | |
| R573 | 1-211-978-11 | METAL CHIP | 24 0.5% 1/10W | |

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R574 | 1-218-825-11 | METAL CHIP | 120 | 0.5% | 1/10W |
| R575 | 1-218-855-11 | METAL CHIP | 2.2K | 0.5% | 1/10W |
| R576 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R582 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (US, CND, KR, CH) |
| R583 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% | 1/10W (US, CND, KR, CH) |
| R584 | 1-218-851-11 | METAL CHIP | 1.5K | 0.5% | 1/10W (US, CND, KR, CH) |
| R587 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R589 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (US, CND, KR, CH) |
| R591 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R592 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R593 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R601 | 1-216-837-11 | METAL CHIP | 22K | 5% | 1/10W |
| R602 | 1-216-805-11 | METAL CHIP | 47 | 5% | 1/10W |
| R603 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R604 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R605 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R606 | 1-216-809-11 | METAL CHIP | 100 | 5% | 1/10W |
| R607 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% | 1/10W |
| R608 | 1-218-859-11 | METAL CHIP | 3.3K | 0.5% | 1/10W |
| R610 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (US, CND, KR, CH) |
| R611 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (US, CND, KR, CH) |
| R620 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W |
| R621 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R622 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R623 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R624 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R625 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R626 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R627 | 1-216-864-11 | SHORT CHIP | 0 (US, CND, KR, CH) | | |
| R628 | 1-243-862-11 | METAL CHIP | 75 | 0.5% | 1/8W |
| R629 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R630 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R641 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R642 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R643 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R644 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R645 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R646 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R647 | 1-216-864-11 | SHORT CHIP | 0 (US, CND, KR, CH) | | |
| R648 | 1-243-862-11 | METAL CHIP | 75 | 0.5% | 1/8W |
| R649 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R661 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W |
| R662 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R663 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W |
| R664 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W |
| R665 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W |
| R666 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W |
| R667 | 1-216-864-11 | SHORT CHIP | 0 (US, CND, KR, CH) | | |
| R668 | 1-243-862-11 | METAL CHIP | 75 | 0.5% | 1/8W |
| R669 | 1-216-864-11 | SHORT CHIP | 0 | | |
| R701 | 1-260-087-11 | CARBON | 100 | 5% | 1/2W (AEP, UK, RU) |
| R702 | 1-260-087-11 | CARBON | 100 | 5% | 1/2W (AEP, UK, RU) |
| R703 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R704 | 1-216-845-11 | METAL CHIP | 100K | 5% | 1/10W (AEP, UK, RU) |
| R705 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R706 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R707 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R711 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (AEP, UK, RU) |
| R712 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (AEP, UK, RU) |
| R713 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (AEP, UK, RU) |
| R714 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R715 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (AEP, UK, RU) |
| R716 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W (AEP, UK, RU) |
| R717 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W (AEP, UK, RU) |
| R719 | 1-243-862-11 | METAL CHIP | 75 | 0.5% | 1/8W (AEP, UK, RU) |
| R721 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (AEP, UK, RU) |
| R722 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (AEP, UK, RU) |
| R723 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (AEP, UK, RU) |
| R724 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R725 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (AEP, UK, RU) |
| R726 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W (AEP, UK, RU) |
| R727 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W (AEP, UK, RU) |
| R729 | 1-243-862-11 | METAL CHIP | 75 | 0.5% | 1/8W (AEP, UK, RU) |
| R731 | 1-216-841-11 | METAL CHIP | 47K | 5% | 1/10W (AEP, UK, RU) |
| R732 | 1-216-833-11 | METAL CHIP | 10K | 5% | 1/10W (AEP, UK, RU) |
| R733 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (AEP, UK, RU) |
| R734 | 1-216-821-11 | METAL CHIP | 1K | 5% | 1/10W (AEP, UK, RU) |
| R735 | 1-216-797-11 | METAL CHIP | 10 | 5% | 1/10W (AEP, UK, RU) |
| R736 | 1-218-847-11 | METAL CHIP | 1K | 0.5% | 1/10W (AEP, UK, RU) |
| R737 | 1-218-845-11 | METAL CHIP | 820 | 0.5% | 1/10W (AEP, UK, RU) |
| R738 | 1-216-864-11 | SHORT CHIP | 0 (AEP, UK, RU) | | |
| R739 | 1-243-862-11 | METAL CHIP | 75 | 0.5% | 1/8W (AEP, UK, RU) |

**VIDEO**

| Ref. No. | Part No. | Description | | | Remark |
|---|---|---|---|---|---|
| R741 | 1-216-841-11 | METAL CHIP | 47K | 5% 1/10W | (AEP, UK, RU) |
| R742 | 1-216-833-11 | METAL CHIP | 10K | 5% 1/10W | (AEP, UK, RU) |
| R743 | 1-216-797-11 | METAL CHIP | 10 | 5% 1/10W | (AEP, UK, RU) |
| R744 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | (AEP, UK, RU) |
| R745 | 1-216-797-11 | METAL CHIP | 10 | 5% 1/10W | (AEP, UK, RU) |
| R746 | 1-218-847-11 | METAL CHIP | 1K | 0.5% 1/10W | (AEP, UK, RU) |
| R747 | 1-218-845-11 | METAL CHIP | 820 | 0.5% 1/10W | (AEP, UK, RU) |
| R749 | 1-243-862-11 | METAL CHIP | 75 | 0.5% 1/8W | (AEP, UK, RU) |
| R751 | 1-216-864-11 | SHORT CHIP | 0 (AEP, UK, RU) | | |
| R752 | 1-216-864-11 | SHORT CHIP | 0 (AEP, UK, RU) | | |
| R753 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | (AEP, UK, RU) |
| R754 | 1-218-837-11 | METAL CHIP | 390 | 0.5% 1/10W | (AEP, UK, RU) |
| R755 | 1-218-837-11 | METAL CHIP | 390 | 0.5% 1/10W | (AEP, UK, RU) |
| R756 | 1-218-837-11 | METAL CHIP | 390 | 0.5% 1/10W | (AEP, UK, RU) |
| R757 | 1-218-837-11 | METAL CHIP | 390 | 0.5% 1/10W | (AEP, UK, RU) |
| R758 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W | (AEP, UK, RU) |
| R759 | 1-218-845-11 | METAL CHIP | 820 | 0.5% 1/10W | (AEP, UK, RU) |
| R760 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W | (AEP, UK, RU) |
| R761 | 1-216-825-11 | METAL CHIP | 2.2K | 5% 1/10W | (AEP, UK, RU) |
| R762 | 1-216-864-11 | SHORT CHIP | 0 (AEP, UK, RU) | | |
| R763 | 1-219-988-21 | FUSIBLE CHIP | 33 | 5% 1/10W | (AEP, UK, RU) |
| R764 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | (AEP, UK, RU) |
| R765 | 1-216-845-11 | METAL CHIP | 100K | 5% 1/10W | (AEP, UK, RU) |
| R766 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | (AEP, UK, RU) |
| R767 | 1-219-988-21 | FUSIBLE CHIP | 33 | 5% 1/10W | (AEP, UK, RU) |
| R768 | 1-216-845-11 | METAL CHIP | 100K | 5% 1/10W | (AEP, UK, RU) |
| R769 | 1-216-821-11 | METAL CHIP | 1K | 5% 1/10W | (AEP, UK, RU) |
| R770 | 1-219-988-21 | FUSIBLE CHIP | 33 | 5% 1/10W | (AEP, UK, RU) |
| R771 | 1-216-845-11 | METAL CHIP | 100K | 5% 1/10W | (AEP, UK, RU) |
| R772 | 1-216-805-11 | METAL CHIP | 47 | 5% 1/10W | (AEP, UK, RU) |
| R781 | 1-243-862-11 | METAL CHIP | 75 | 0.5% 1/8W | (AEP, UK, RU) |
| R791 | 1-216-813-11 | METAL CHIP | 220 | 5% 1/10W | (AEP, UK, RU) |
| R792 | 1-216-813-11 | METAL CHIP | 220 | 5% 1/10W | (AEP, UK, RU) |
| R793 | 1-216-813-11 | METAL CHIP | 220 | 5% 1/10W | (AEP, UK, RU) |
| R794 | 1-216-813-11 | METAL CHIP | 220 | 5% 1/10W | (AEP, UK, RU) |
| R795 | 1-216-809-11 | METAL CHIP | 100 | 5% 1/10W | (AEP, UK, RU) |
| | | < RELAY > | | | |
| RY701 | 1-755-184-21 | RELAY (AEP, UK, RU) | | | |
| RY761 | 1-755-184-21 | RELAY (AEP, UK, RU) | | | |
| RY762 | 1-755-184-21 | RELAY (AEP, UK, RU) | | | |
| RY763 | 1-755-184-21 | RELAY (AEP, UK, RU) | | | |
| RY764 | 1-755-184-21 | RELAY (AEP, UK, RU) | | | |
| RY765 | 1-755-184-21 | RELAY (AEP, UK, RU) | | | |
| RY766 | 1-755-184-21 | RELAY (AEP, UK, RU) | | | |
| ********** | | | | | |
| | | MISCELLANEOUS | | | |
| | | ********** | | | |
| 54 | 1-828-620-11 | WIRE (FLAT TYPE) (19 CORE) | | | |
| 151 | 1-775-280-11 | WIRE (FLAT TYPE) (31 CORE) | | | |
| 155 | 1-828-547-11 | WIRE (FLAT TYPE) (5 CORE) | | | |
| 156 | 1-828-666-11 | WIRE (FLAT TYPE) (29 CORE) | | | |
| 157 | 1-828-646-11 | WIRE (FLAT TYPE) (25 CORE) | | | |
| 201 | 1-775-280-11 | WIRE (FLAT TYPE) (31 CORE) | | | |
| 205 | 1-828-547-11 | WIRE (FLAT TYPE) (5 CORE) | | | |
| 206 | 1-828-666-11 | WIRE (FLAT TYPE) (29 CORE) | | | |
| 207 | 1-828-646-11 | WIRE (FLAT TYPE) (25 CORE) | | | |
| 258 | 1-828-568-11 | WIRE (FLAT TYPE) (9 CORE) | | | |
| 259 | 1-828-598-11 | WIRE (FLAT TYPE) (15 CORE) | | | |
| ⚠260 | 1-816-880-22 | INLET ASSY, AC (～ AC IN) | | | |
| ⚠551 | A-1109-165-A | OPTICAL TRAVERSE UNIT (DBU-3) | | | |
| 558 | 1-824-106-51 | CABLE, FLEXIBLE FLAT (0.5mm PITCH) | | | |
| M151 | A-4604-363-A | MOTOR (L) ASSY (LOADING) | | | |
| ⚠T901 | 1-443-561-11 | TRANSFORMER, POWER (US, CND) | | | |
| ⚠T901 | 1-443-562-11 | TRANSFORMER, POWER (EXCEPT US, CND) | | | |
| ⚠T902 | 1-443-558-11 | TRANSFORMER, POWER (US, CND) | | | |
| ⚠T902 | 1-443-559-11 | TRANSFORMER, POWER (EXCEPT US, CND) | | | |
| ********** | | | | | |
| | | ACCESSORIES | | | |
| | | ********** | | | |
| | 1-479-272-11 | REMOTE COMMANDER (RM-ASP003) | | | (US, CND, KR, CH) |
| | 1-479-272-21 | REMOTE COMMANDER (RM-ASP004) | | | (AEP, UK, RU) |
| ⚠ | 1-551-631-61 | CORD, POWER (AEP, RU) | | | |
| ⚠ | 1-551-812-41 | CORD, POWER (US, CND) | | | |
| ⚠ | 1-751-271-31 | CORD, CONNECTION (AV) | | | (AUDIO/VIDEO CORD) |
| ⚠ | 1-757-130-12 | CORD, POWER (CH) | | | |
| ⚠ | 1-824-532-11 | POWER-SUPPLY CORD (UK) | | | |
| ⚠ | 1-824-533-12 | POWER-SUPPLY CORD (KR) | | | |
| | 2-633-249-11 | MANUAL, INSTRUCTION (ENGLISH) | | | (US, CND, CH) |
| | 2-633-249-21 | MANUAL, INSTRUCTION (FRENCH) (CND) | | | |
| | 2-633-249-31 | MANUAL, INSTRUCTION (ENGLISH) | | | (AEP, UK, RU) |

| Ref. No. | Part No. | Description | Remark |
|---|---|---|---|
| | 2-633-249-41 | MANUAL, INSTRUCTION (GERMAN, SPANISH, FRENCH) (AEP) | |
| | 2-633-249-51 | MANUAL, INSTRUCTION (ITALIAN, DUTCH, POLISH, SWEDISH) (AEP) | |
| | 2-633-249-61 | MANUAL, INSTRUCTION (RUSSIAN) (RU) | |
| | 2-633-249-71 | MANUAL, INSTRUCTION (KOREAN) (KR) | |
| | 2-633-249-81 | MANUAL, INSTRUCTION (SIMPLIFIED CHINESE) (CH) | |
| | 2-633-250-01 | MANUAL, INSTRUCTION (GREEK) (AEP) | |
| | 2-633-250-11 | MANUAL, INSTRUCTION (TURKISH) (AEP) | |
| | 2-633-250-21 | MANUAL, INSTRUCTION (SLOVAKIAN) (AEP) | |
| | 2-633-250-31 | MANUAL, INSTRUCTION (HUNGARIAN, CZECH) (AEP) | |
| | 3-081-834-31 | BATTERY COVER (SMK7G) (for RM-ASP003, RM-ASP004) | |

# REVISION HISTORY

Clicking the version allows you to jump to the revised page.
Also, clicking the version at the upper right on the revised page allows you to jump to the next revised page.

| Ver. | Date | Description of Revision |
|---|---|---|
| 1.0 | 2005.08 | New |
| | | |
| | | |
| | |